
OBD-II Diagnostic Report

Phone:
 Fax:
 Email:
 Internet:

Customer Address**Vehicle Info**

Make:
 Model:
 Year:
 Registration-No:

Vehicle Information (Mode 09)

Description	Count
Vehicle Identification Number (VIN)	
No data reported by car	
Calibration Identifications (CALID)	
No data reported by car	
Calibration Verification Numbers (CVN)	
No data reported by car	
In-use Performance Tracking (IPT)	
No data reported by car	
ECU Name	
No data reported by car	

System Status (Mode 01)

Description		
OBD Type		
OBD Type	OBD II (California ARB)	
Trouble Codes		
MIL Status	Off	
Number of DTCs	0	
Continuous Monitoring tests		
Misfire	Supported	Complete
Fuel System	Supported	Complete
Comprehensive Components	Supported	Complete

non-Continuous Monitoring tests

Catalyst	Supported	Not Complete
Heated Catalyst	Not Supported	
Evaporative System	Supported	Not Complete
Secondary Air System	Not Supported	
A/C System Refrigerant	Not Supported	
Oxygen Sensor	Supported	Complete
Oxygen Sensor Heater	Supported	Not Complete
EGR System	Not Supported	
Fuel System Status		
Fuel System 1 Status	closed loop	
Fuel System 2 Status	closed loop	

Diagnostic Trouble Codes (Mode 03, 07, 0A)

Description

Stored Diagnostic Trouble Codes (DTC) (Mode 03)

No Trouble Codes

Pending Diagnostic Trouble Codes (DTC) (Mode 07)

No Trouble Codes

Permanent Diagnostic Trouble Codes (DTC) (Mode 0A)

No Trouble Codes

Freeze Frame Data (Mode 02)

Description**Value Units**

Location of Oxygen Sensors

Location of Oxygen Sensors	State
Bank 1 - Sensor 1	Present
Bank 1 - Sensor 2	Present
Bank 1 - Sensor 3	Not Present
Bank 1 - Sensor 4	Not Present
Bank 2 - Sensor 1	Present
Bank 2 - Sensor 2	Present
Bank 2 - Sensor 3	Not Present
Bank 2 - Sensor 4	Not Present

Oxygen Sensor Test Results (Mode 05)

Description	Value	Min	Max	Units	Result
Bank 1 - Sensor 1					
\$01 - Rich to lean sensor threshold voltage (constant)	0.640	-	-	V	
\$02 - Lean to rich sensor threshold voltage (constant)	0.640	-	-	V	
\$03 - Low sensor voltage for switch time calculation (constant)	0.285	-	-	V	
\$04 - High sensor voltage for switch time calculation (constant)	0.845	-	-	V	
\$05 - Rich to lean sensor switch time (calculated)	0.008	0.000	0.288	s	
\$06 - Lean to rich sensor switch time (calculated)	0.008	0.000	0.288	s	
\$09 - Time between sensor transitions (calculated)	0.48	0.00	0.64	s	
\$35 - Manufacturer Test ID Description	0.00	0.00	10.20	s	
\$36 - Manufacturer Test ID Description	0.00	0.00	10.20	s	
\$81 - Manufacturer Specific Values / Units	50	33	65		Pass
Bank 1 - Sensor 2					
\$01 - Rich to lean sensor threshold voltage (constant)	0.640	-	-	V	
\$02 - Lean to rich sensor threshold voltage (constant)	0.640	-	-	V	
\$03 - Low sensor voltage for switch time calculation (constant)	0.285	-	-	V	
\$04 - High sensor voltage for switch time calculation (constant)	0.845	-	-	V	
\$05 - Rich to lean sensor switch time (calculated)	0.008	0.000	0.288	s	
\$06 - Lean to rich sensor switch time (calculated)	1.020	0.000	0.288	s	
\$09 - Time between sensor transitions (calculated)	0.48	0.00	0.64	s	
\$35 - Manufacturer Test ID Description	0.00	0.00	10.20	s	
\$36 - Manufacturer Test ID Description	3.80	0.00	10.20	s	
\$81 - Manufacturer Specific Values / Units	50	35	65		Pass
Bank 2 - Sensor 1					
\$01 - Rich to lean sensor threshold voltage (constant)	0.640	-	-	V	
\$02 - Lean to rich sensor threshold voltage (constant)	0.640	-	-	V	
\$03 - Low sensor voltage for switch time calculation (constant)	0.285	-	-	V	
\$04 - High sensor voltage for switch time calculation (constant)	0.845	-	-	V	
\$05 - Rich to lean sensor switch time (calculated)	0.024	0.000	0.288	s	
\$06 - Lean to rich sensor switch time (calculated)	0.096	0.000	0.288	s	
\$09 - Time between sensor transitions (calculated)	1.64	0.00	0.64	s	
\$35 - Manufacturer Test ID Description	0.00	0.00	10.20	s	
\$36 - Manufacturer Test ID Description	0.04	0.00	10.20	s	
\$81 - Manufacturer Specific Values / Units	66	35	65		Fail
Bank 2 - Sensor 2					
\$01 - Rich to lean sensor threshold voltage (constant)	0.640	-	-	V	

\$02 - Lean to rich sensor threshold voltage (constant)	0.640	-	-	V
\$03 - Low sensor voltage for switch time calculation (constant)	0.285	-	-	V
\$04 - High sensor voltage for switch time calculation (constant)	0.845	-	-	V
\$05 - Rich to lean sensor switch time (calculated)	0.172	0.000	0.288	s
\$06 - Lean to rich sensor switch time (calculated)	0.172	0.000	0.288	s
\$09 - Time between sensor transitions (calculated)	10.20	0.00	0.64	s
\$35 - Manufacturer Test ID Description	0.16	0.00	10.20	s
\$36 - Manufacturer Test ID Description	0.16	0.00	10.20	s
\$81 - Manufacturer Specific Values / Units	122	35	65	Fail

Monitored Test Results (Mode 06)

Description	Value	Min	Max	Units	Result
TID \$01, CID \$01 - Values defined by manufacturer	0		1000		Pass
TID \$01, CID \$02 - Values defined by manufacturer	0		1000		Pass
TID \$02, CID \$01 - Values defined by manufacturer	0		100		Pass
TID \$03, CID \$01 - Values defined by manufacturer	11		250		Pass
TID \$03, CID \$02 - Values defined by manufacturer	300		50		Fail
TID \$04, CID \$01 - Values defined by manufacturer	11		250		Pass
TID \$04, CID \$02 - Values defined by manufacturer	200	50			Pass
TID \$05, CID \$01 - Values defined by manufacturer	34	65086			Fail

Live Data (Mode 01)

Description	Value	Units	Min	Average	Max
03 - Fuel System Status					
Fuel System 1	closed loop	-	2.00	2.00	2.00
Fuel System 2	closed loop	-	2.00	2.00	2.00
04 - Calculated Load Value	21	%	20.00	20.51	21.18
05 - Engine Coolant Temperature	56	°C	51.00	53.25	56.00
06 - Short Term Fuel Trim - Bank 1	24.2	%	24.22	24.22	24.22
07 - Long Term Fuel Trim - Bank 1	-0.8	%	-0.78	-0.78	-0.78
08 - Short Term Fuel Trim - Bank 2	-14.8	%	-16.41	-12.88	-10.94
09 - Long Term Fuel Trim - Bank 2	-0.8	%	-0.78	-0.78	-0.78
0C - Engine RPM	1091	rpm	1081.00	1125.04	1159.00
0D - Vehicle Speed	0	km/h	0.00	0.00	0.00
0E - Ignition Timing Advance for #1 Cylinder	33	°	32.50	33.30	33.50
0F - Intake Air Temperature	33	°C	29.00	30.75	33.00

10 - Air Flow Rate	0.07 g/s	0.07	0.08	0.08
11 - Absolute Throttle Position	10.2 %	10.20	10.50	10.59
12 - Commanded Secondary Air Status	air off -	0.00	0.00	0.00
14 - Bank 1 - Sensor 1				
Oxygen Sensor Output Voltage	1.020 V	1.02	1.02	1.02
Short Term Fuel Trim	24.2 %	24.22	24.22	24.22
15 - Bank 1 - Sensor 2				
Oxygen Sensor Output Voltage	0.045 V	0.04	0.04	0.04
Short Term Fuel Trim	99.2 %	99.21	99.21	99.21
18 - Bank 2 - Sensor 1				
Oxygen Sensor Output Voltage	0.240 V	0.04	0.49	1.00
Short Term Fuel Trim	-16.4 %	-16.41	-13.44	-10.16
19 - Bank 2 - Sensor 2				
Oxygen Sensor Output Voltage	1.000 V	0.99	1.00	1.00
Short Term Fuel Trim	99.2 %	99.21	99.21	99.21
