



### Vehicle Health Diagnostic Report

<b>vHealth ID: VS846_RO_07272009_114158;1</b> (For Retrieving vHealth Report From Database)					
User Information			Vehicle Tested Information		
User	Car-E Diagnostics Inc.			Maker	Jeep
Address	15510 Ranch Road 620 N. Suite 10106, Austin, TX 78717			Model	Liberty
Phone	707-849-4985	Fax	408-273-6364	Year	2007
Email	support@vhealth.biz			Mileage	12304
Time	29-AUG-2009 10:02:38.398			VIN	1J8GL48KX7W710655
Legend For Report Color And Code Name					
	Health Test Result is Very Good (LIKE NEW)				Health Test Result is Good (WITHIN SPEC)
	Health Test Result is Approaching Failure				Health Test Result Failed
P: Pass		F: Failed		N/R: Not Ready	
				N/A: Not Available	
				N/V: Not Valid	
<b>Diagnostic Summary:</b> vHealth DIAGNOSTIC SYSTEM: TEST ID: VS846_RO_07272009_114158;1 --> THERE ARE NO PROBLEMS FOUND IN THIS VEHICLE.					

Vehicle Health Diagnostic Report-1 Summary				
<b>OBD-II Sensor Readings</b>	23	11	0	0
All Sensor readings are within normal range.				

Vehicle Health Diagnostic Report-2 Summary				PASS		FAIL
<b>OBD-II Component Test</b>	1.Exhaust Gas Recirculation Valve (EGR) System Test			4		
	2.Evaporative (EVAP) Emissions System Test					
	3.Catalyst Converter (CAT) System Test			2		
	4.Oxygen Sensor (O2) System Test			13		
	5.Misfire Test Without Check Engine Light			12		
	6. UNDEFINED			16	1	
All tests are within normal range.						

Vehicle Health Diagnostic Report-3 Summary		
<b>OBD-II DTC Test</b>	Check Engine Light: ON <input type="checkbox"/> OFF <input checked="" type="checkbox"/>	DTCs: NONE <input checked="" type="checkbox"/> EXIST <input type="checkbox"/>

Vehicle Health Diagnostic Report-4 Summary		
<b>OBD-II Emissions Test</b>	Complete Monitor Items: 8	Not Complete Monitor Items: 0

**Disclaimer**

A vehicle must operate until all of the readiness monitors have been run to know if there is an emission problem. If the battery is disconnected or the trouble codes are cleared, results will not be valid unless the readiness monitor is "complete". The vehicle must be running at operational temperature for at least 3 minutes to collect valid OBD II data PIDs.



Vehicle Health Diagnostic Report-1 for OBD-II Sensor Readings						
	OBD II Parameters	Status	Operating Range	Measurement	Lower Spec	Upper Spec
1	ABS. THROTTLE POS. (%)	■	_	#14	0	100
2	ABS. THROTTLE POS. B (%)	■	_	14	0	100
3	ABS. THROTTLE POS. D (%)	■	_	9	0	100
4	ABS. THROTTLE POS. E (%)	■	_	4	0	100
5	ABSOLUTE LOAD VALUE (%)	■	_	#27.64	0	100
6	AMBIENT AIR TEMP. (F)	■	_	97.91	-40	260.6
7	B1S1 CATALYST TEMP. (F)	■	_	#988.95	300	9397.04
8	B1S1 O2 FUEL TRIM (%)	■	_	-0.85	-60.156	59.376
9	B1S1 O2 VOLTAGE (V)	■	_	0.51	0.00	1.10
10	B1S2 CATALYST TEMP. (F)	■	_	#988.95	300	9397.04
11	B1S2 O2 VOLTAGE (V)	■	_	#0.72	0.00	1.1
12	B2S1 O2 FUEL TRIM (%)	■	_	-0.92	-60.156	59.376
13	B2S1 O2 VOLTAGE (V)	■	_	#0.24	0.00	1.10
14	B2S2 O2 VOLTAGE (V)	■	_	#0.71	0.00	1.10
15	BAROMETRIC PRES. (IN.HG)	■	_	29.2	20	30
16	CALCULATED LOAD (%)	■	_	#35.73	0	100
17	COM. EQUIV. RATIO (LAM)	■	_	1	0.000	1.1
18	COM. EVAP. PURGE (%)	■	_	20	0	100
19	COM. THRTL ACT. CTRL. (%)	■	_	3	0	100
20	COMMANDED EGR (%)	■	_	1	0	100
21	CONTROL MODULE V. (V)	■	_	14.03	0.00	65.54
22	COOLANT TEMPERATURE (F)	■	_	#174.18	30	240
23	EGR ERROR (%)	■	_	0	0	100
24	ENGINE RPM (R/MIN)	■	_	699.64	0	8200
25	FUEL LEVEL INPUT (%)	■	_	28	0	100
26	IGN. TIMING ADV. C1 (DEG)	■	_	#9.55	0	60
27	INTAKE AIR TEMP. (F)	■	_	108.45	-40	419
28	INTAKE MAN. ABS. PRES. (IN.HG)	■	_	#12.21	0.0	75.2
29	LONG TERM FT B1 (%)	■	_	5.46	-25	25
30	LONG TERM FT B2 (%)	■	_	6.24	-25	25
31	REL. THROTTLE POS. (%)	■	_	3	0	100
32	SHORT TERM FT B1 (%)	■	_	-1.56	-25	25
33	SHORT TERM FT B2 (%)	■	_	-2.13	-25	25
34	VEHICLE SPEED (MPH)	■	_	0	0	255
35	OBD II Parameters	Status	Operating Range	Measurement	Lower Spec	Upper Spec

Vehicle Health Diagnostic Report-2 for OBD-II Component Test	
Test Item 1	Exhaust Gas Recirculation Value (EGR) System Test
Test Item 2	Evaporative (EVAP) Emissions System Test



<b>Test Item 3</b>	Catalyst Converter (CAT) System Test
<b>Test Item 4</b>	Oxygen Sensor (O2) System Test
<b>Test Item 5</b>	Misfire Test Without Check Engine Light

Comp Test	Monitored Test Results (Mode \$06)	Status	Operating Range	P/F	Measurement	Lower Spec	Upper Spec	Unit
1	EGR (\$41) EGR System Monitoring (\$97) Undocumented CID	■	_____	P	5.500	0.000	16.500	C
2	EGR (\$41) EGR System Monitoring (\$98) Undocumented CID	■	_	P	0.000	0.000	65535	Unitless
3	EGR (\$42) EGR System Monitoring (\$97) EGR Monitor Engine RPM Roughness Counter	■	_____	P	6.000	0.000	16.500	Count
4	EGR (\$42) EGR System Monitoring (\$98) EGR Monitor Engine RPM Roughness Counter	■	_	P	0.000	0.000	65535	Count
5	CAT (\$21) Catalyst Monitoring (\$92) Catalyst 1/1 Switch Frequency Ratio	■	_	P	0.000	0.000	0.210	%
6	CAT (\$22) Catalyst Monitoring (\$92) Catalyst 2/1 Switch Frequency Ratio	■	_	P	0.000	0.000	0.210	%
7	O2 (\$02) Oxygen Sensor Heater Monitoring (\$07) Exhaust Gas Sensor Monitor Bank 1, Sensor 2	■	_____	P	0.313	0.000	0.313	V
8	O2 (\$02) Oxygen Sensor Heater Monitoring (\$08) Exhaust Gas Sensor Monitor Bank 1, Sensor 2	■	_	P	0.843	0.607	65.535	V
9	O2 (\$06) Oxygen Sensor Heater Monitoring (\$07) Exhaust Gas Sensor Monitor Bank 2, Sensor 2	■	_____	P	0.313	0.000	0.313	V
10	O2 (\$06) Oxygen Sensor Heater Monitoring (\$08) Exhaust Gas Sensor Monitor Bank 2, Sensor 2	■	_	P	0.764	0.607	65.535	V
11	O2 (\$31) Oxygen Sensor Monitoring (\$93) O2 Sensor 2/1 Half-Cycle Counter	■	_	P	0.000	0.000	70.000	Count
12	O2 (\$31) Oxygen Sensor Monitoring (\$94) O2 Sensor 2/1 Half-Cycle Counter	■	_	P	0.000	0.000	255.000	Count
13	O2 (\$31) Oxygen Sensor Monitoring (\$95) O2 Sensor 2/1 Half-Cycle Counter	■	_____	P	32151.000	22768.000	33768.000	Count
14	O2 (\$31) Oxygen Sensor Monitoring (\$96) O2 Sensor 2/1 Half-Cycle Counter	■	_____	P	32490.000	22768.000	33768.000	Count
15	O2 (\$39) Oxygen Sensor Heater Monitoring (\$87) Undocumented CID	■	_	P	0.000	0.000	65535	Unitless
16	O2 (\$3A) Oxygen Sensor Heater Monitoring (\$87) Undocumented CID	■	_	P	0.000	0.000	65535	Unitless
17	O2 (\$3C) Oxygen Sensor Heater Monitoring (\$85) O2 Heater 2/2 Delta Voltage	■	_	P	0.000	0.000	65535	mV
18	O2 (\$3C) Oxygen Sensor Heater Monitoring (\$86) O2 Heater 2/2 Delta Voltage	■	_	P	0.000	0.000	65535	mV
19	O2 (\$3C) Oxygen Sensor Heater Monitoring (\$90) O2 Heater 2/2 Delta Voltage	■	_	P	0.000	0.000	65535	mV
20	MISFIRE (\$A2) Misfire Monitoring (\$0B) Misfire Cylinder 1 Data	■	_	P	0.000	0.000	65535.000	Counts
21	MISFIRE (\$A2) Misfire Monitoring (\$0C) Misfire Cylinder 1 Data	■	_	P	0.000	0.000	65535.000	Counts
22	MISFIRE (\$A3) Misfire Monitoring (\$0B) Misfire Cylinder 2 Data	■	_	P	1.000	0.000	65535.000	Counts
23	MISFIRE (\$A3) Misfire Monitoring (\$0C) Misfire Cylinder 2 Data	■	_	P	1.000	0.000	65535.000	Counts
24	MISFIRE (\$A4) Misfire Monitoring (\$0B) Misfire Cylinder 3 Data	■	_	P	0.000	0.000	65535.000	Counts
25	MISFIRE (\$A4) Misfire Monitoring (\$0C) Misfire Cylinder 3 Data	■	_	P	0.000	0.000	65535.000	Counts
26	MISFIRE (\$A5) Misfire Monitoring (\$0B) Misfire Cylinder 4 Data	■	_	P	1.000	0.000	65535.000	Counts
27	MISFIRE (\$A5) Misfire Monitoring (\$0C) Misfire Cylinder 4 Data	■	_	P	0.000	0.000	65535.000	Counts



28	MISFIRE	(\$A6) Misfire Monitoring (\$0B) Misfire Cylinder 5 Data	■	L	I	P	0.000	0.000	65535.000	Counts
29	MISFIRE	(\$A6) Misfire Monitoring (\$0C) Misfire Cylinder 5 Data	■	L	I	P	0.000	0.000	65535.000	Counts
30	MISFIRE	(\$A7) Misfire Monitoring (\$0B) Misfire Cylinder 6 Data	■	L	I	P	0.000	0.000	65535.000	Counts
31	MISFIRE	(\$A7) Misfire Monitoring (\$0C) Misfire Cylinder 6 Data	■	L	I	P	0.000	0.000	65535.000	Counts
32	UNDEFINED	(\$01) (\$91) Undocumented CID	■	L	I	P	2.320	0.790	655.350	%
33	UNDEFINED	(\$02) (\$81) Undocumented CID	■	L	I	P	0.000	0.000	65535	Unitless
34	UNDEFINED	(\$02) (\$82) Undocumented CID	■	L	I	P	0.000	0.000	65535	Unitless
35	UNDEFINED	(\$02) (\$83) Undocumented CID	■	L	I	P	0.000	0.000	65535	V
36	UNDEFINED	(\$05) (\$91) Undocumented CID	■	L	I	P	2.660	0.790	655.350	%
37	UNDEFINED	(\$06) (\$81) Undocumented CID	■	L	I	P	0.000	0.000	65535	Unitless
38	UNDEFINED	(\$06) (\$82) Undocumented CID	■	L	I	P	0.000	0.000	65535	Unitless
39	UNDEFINED	(\$06) (\$83) Undocumented CID	■	L	I	P	0.000	0.000	65535	V
40	UNDEFINED	(\$3D) (\$83) Undocumented CID	■	L	I	P	0.000	0.000	65535.000	Boolean
41	UNDEFINED	(\$3D) (\$84) Undocumented CID	■	L	I	P	85.944	31.252	100.006	%
42	UNDEFINED	(\$3D) (\$85) Undocumented CID	■	L	I	P	0.000	0.000	65535	Unitless
43	UNDEFINED	(\$3D) (\$86) Undocumented CID	■	L	I	P	0.000	0.000	1.999	Unitless
44	UNDEFINED	(\$3D) (\$87) Undocumented CID	■	L	I	P	0.000	0.000	65.535	Unitless
45	UNDEFINED	(\$45) (\$97) Undocumented CID	■	L	I	P	5.500	0.000	16.500	C
46	UNDEFINED	(\$45) (\$98) Undocumented CID	■	L	I	P	0.000	0.000	65535	Unitless
47	UNDEFINED	(\$46) (\$97) Undocumented CID	■	L	I	P	5.500	0.000	16.500	C
48	UNDEFINED	(\$46) (\$98) Undocumented CID	■	L	I	P	0.000	0.000	65535	Unitless
49	Comp Test	Monitored Test Results (Mode \$06)	Status	Operating Range	P/F	Measurement	Lower Spec	Upper Spec	Unit	

Vehicle Health Diagnostic Report-3 for OBD-II Diagnostic Trouble Code Test

- 1. Check Engine Light: ON  OFF
- 2. Generic Powertrain Test (Hard Failures and Pending Codes)

No diagnostic codes retrieved



Freeze Frame (Frame 0)

Vehicle Health Diagnostic Report-4 for OBD-II Emission Test

- 1. Inspection / Maintenance Monitors Status
- 2. Legend Not Support: Not All Tests Are Supported By All Manufacturers Makes And Models

Name	Status
1 Misfire Monitoring	■ Complete
2 Fuel System Monitoring	■ Complete
3 Comprehensive Component Monitoring	■ Complete
4 Catalyst Monitoring	■ Complete



<b>5</b>	<b>Heated Catalyst Monitoring</b>	 Not Supported
<b>6</b>	<b>Evaporative System Monitoring</b>	 Complete
<b>7</b>	<b>Secondary Air System Monitoring</b>	 Not Supported
<b>8</b>	<b>A/C System Refrigerant Monitoring</b>	 Not Supported
<b>9</b>	<b>Oxygen Sensor Monitoring</b>	 Complete
<b>10</b>	<b>Oxygen Sensor Heater Monitoring</b>	 Complete
<b>11</b>	<b>EGR System Monitoring</b>	 Complete