





# Auto e-Diag Service




Predictive/Condition-Based Maintenance

AEDS Certified  Vehicle Electronic Condition Report  AEDS Certified

**VECR ID: VS844\_RO\_12142009\_112118\_ENH;1** (For Retrieving VECR From Database)

User Information				Vehicle Tested Information	
User	Auto e-Diag Service			Maker	Jeep
Address	15510 Ranch Road 620 N. Suite 10106, Austin, TX 78717			Model	Grand Cherokee V6 3.7L
Phone	512-921-5685	Fax	408-273-6364	Year	2005
Email	support@vhealth.biz			Mileage	58144
Time	30-AUG-2013 00:44:29.273			VIN	1J4GS48K75C683479

**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





**VECR Summary:** vHealthCheck Certified (Yellow): SOME MONITORED SYSTEMS INDICATE POSSIBLE PROBLEMS. SOME DTC CODES COULD INDICATE OPERATOR ERRORS. CURRENT DTC CODES --> Electronic Shifter Module: P0607 Control Module Performance | Front Control Module: B210d Battery Voltage Low | Occupant Restraint Controller: B1ba3 Driver Seat Track Position Sensor (OCM) | Transmission Control Module: U0404 Invalid Data Received from Gear Shift Control Module | Wireless Control Module: C0077 Low Tire Pressure ALL COMPONENT TESTS ARE WITHIN NORMAL RANGE EXCEPT 5 TEST READINGS ARE APPROACHING FAILURE. (B210D | C0077 | P0607 | U0404)

**VECR-1 Summary**

<b>OBD-II Sensor Readings</b>	 19	 9	 0	 0
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PSI - Generic Powertrain System: ALL SENSOR READINGS ARE WITHIN NORMAL RANGE.

**VECR-2 Summary**

		PASS			FAIL
					
<b>OBD-II Component Test</b>	1.Exhaust Gas Recirculation Valve (EGR) System Test	2		2	
	2.Evaporative (EVAP) Emissions System Test				
	3.Catalyst Converter (CAT) System Test	2			
	4.Oxygen Sensor (O2) System Test	9			
	5.Misfire Test Without Check Engine Light	12			
	6. UNDEFINED	5		3	

**VECR-3 Summary**

<b>OBD-II DTC Test</b>	Check Engine Light: ON <input type="checkbox"/> OFF <input checked="" type="checkbox"/>	DTCs: NONE <input type="checkbox"/> EXIST <input checked="" type="checkbox"/>
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**VECR-4 Summary**

<b>OBD-II Emissions Test</b>	Complete Monitor Items: 7	Not Complete Monitor Items: 0
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### 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.

### VECR-1 for OBD-II Sensor Readings

	PSI - Generic Powertrain OBD II Parameters	Status	Operating Range	Measurement	Lower Spec	Upper Spec
1	ABS. THROTTLE POS. (%)			#14	0	100
2	ABSOLUTE LOAD VALUE (%)			24.21	0	100
3	AMBIENT AIR TEMP. (F)			68	-40	260.6
4	B1S1 CATALYST TEMP. (F)			#989.09	100	9397.04
5	B1S1 O2 FUEL TRIM (%)			-0.61	-60.156	59.376
6	B1S1 O2 VOLTAGE (V)			0.47	0.00	1.10
7	B1S2 CATALYST TEMP. (F)			#989.09	100	9397.04
8	B1S2 O2 VOLTAGE (V)			#0.78	0.00	1.10
9	B2S1 O2 FUEL TRIM (%)			-1.95	-60.156	59.376
10	B2S1 O2 VOLTAGE (V)			#0.36	0.00	1.10
11	B2S2 O2 VOLTAGE (V)			#0.78	0.00	1.10
12	BAROMETRIC PRES. (IN.HG)			29.2	20	32
13	CALCULATED LOAD (%)			#31	0	100
14	COM. EQUIV. RATIO (LAM)			1	0.000	1.1
15	COM. EVAP. PURGE (%)			29.71	0	100
16	CONTROL MODULE V. (V)			14.06	0.00	65.54
17	COOLANT TEMPERATURE (F)			#163.14	30	240
18	ENGINE RPM (R/MIN)			665.64	0	8200
19	FUEL LEVEL INPUT (%)			0	0	100
20	IGN. TIMING ADV. C1 (DEG)			9.61	-80	80
21	INTAKE AIR TEMP. (F)			71.71	-40	419
22	INTAKE MAN. ABS. PRES. (IN.HG)			#10.88	0.0	75.2
23	LONG TERM FT B1 (%)			0	-18	18
24	LONG TERM FT B2 (%)			0.78	-18	18
25	REL. THROTTLE POS. (%)			0	0	100
26	SHORT TERM FT B1 (%)			-0.72	-18	18
27	SHORT TERM FT B2 (%)			-3.29	-18	18
28	VEHICLE SPEED (MPH)			0	0	255
29	PSI - Generic Powertrain OBD II Parameters	Status	Operating Range	Measurement	Lower Spec	Upper Spec

### VECR-2 for OBD-II Component Test

Test Item 1 Exhaust Gas Recirculation Value (EGR) System Test



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<b>Test Item 2</b>	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	<b>EGR</b> (\$41) EGR System Monitoring (\$98) Undocumented CID			~< 5K	65535.000	12000.000	65535.000	Unitless
2	<b>EGR</b> (\$42) EGR System Monitoring (\$98) EGR Monitor Engine RPM Roughness Counter			~< 5K	65535.000	12000.000	65535.000	Count
3	<b>EGR</b> (\$41) EGR System Monitoring (\$97) Undocumented CID			P	6.000	0.000	16.500	C
4	<b>EGR</b> (\$42) EGR System Monitoring (\$97) EGR Monitor Engine RPM Roughness Counter			P	5.000	0.000	16.500	Count
5	<b>CAT</b> (\$21) Catalyst Monitoring (\$92) Catalyst 1/1 Switch Frequency Ratio			P	0.000	0.000	0.100	%
6	<b>CAT</b> (\$22) Catalyst Monitoring (\$92) Catalyst 2/1 Switch Frequency Ratio			P	0.000	0.000	0.100	%
7	<b>O2</b> (\$02) Oxygen Sensor Heater Monitoring (\$07) Exhaust Gas Sensor Monitor Bank 1, Sensor 2			P	0.313	0.000	0.313	V
8	<b>O2</b> (\$02) Oxygen Sensor Heater Monitoring (\$08) Exhaust Gas Sensor Monitor Bank 1, Sensor 2			P	0.764	0.607	65.535	V
9	<b>O2</b> (\$06) Oxygen Sensor Heater Monitoring (\$07) Exhaust Gas Sensor Monitor Bank 2, Sensor 2			P	0.313	0.000	0.313	V
10	<b>O2</b> (\$06) Oxygen Sensor Heater Monitoring (\$08) Exhaust Gas Sensor Monitor Bank 2, Sensor 2			P	0.745	0.607	65.535	V
11	<b>O2</b> (\$39) Oxygen Sensor Heater Monitoring (\$87) Undocumented CID			P	0.000	0.000	65535	Unitless
12	<b>O2</b> (\$3A) Oxygen Sensor Heater Monitoring (\$87) Undocumented CID			P	781.000	781.000	65535.000	Unitless
13	<b>O2</b> (\$3C) Oxygen Sensor Heater Monitoring (\$85) O2 Heater 2/2 Delta Voltage			P	0.000	0.000	65535	mV
14	<b>O2</b> (\$3C) Oxygen Sensor Heater Monitoring (\$86) O2 Heater 2/2 Delta Voltage			P	0.000	0.000	65535	mV
15	<b>O2</b> (\$3C) Oxygen Sensor Heater Monitoring (\$90) O2 Heater 2/2 Delta Voltage			P	0.000	0.000	65535	mV
16	<b>MISFIRE</b> (\$A2) Misfire Monitoring (\$0B) Misfire Cylinder 1 Data			P	0.000	0.000	65535.000	Counts
17	<b>MISFIRE</b> (\$A2) Misfire Monitoring (\$0C) Misfire Cylinder 1 Data			P	0.000	0.000	65535.000	Counts
18	<b>MISFIRE</b> (\$A3) Misfire Monitoring (\$0B) Misfire Cylinder 2 Data			P	0.000	0.000	65535.000	Counts
19	<b>MISFIRE</b> (\$A3) Misfire Monitoring (\$0C) Misfire Cylinder 2 Data			P	0.000	0.000	65535.000	Counts
20	<b>MISFIRE</b> (\$A4) Misfire Monitoring (\$0B) Misfire Cylinder 3 Data			P	0.000	0.000	65535.000	Counts
21	<b>MISFIRE</b> (\$A4) Misfire Monitoring (\$0C) Misfire Cylinder 3 Data			P	0.000	0.000	65535.000	Counts
22	<b>MISFIRE</b> (\$A5) Misfire Monitoring (\$0B) Misfire Cylinder 4 Data			P	0.000	0.000	65535.000	Counts
23	<b>MISFIRE</b> (\$A5) Misfire Monitoring (\$0C) Misfire Cylinder 4 Data			P	0.000	0.000	65535.000	Counts
24	<b>MISFIRE</b> (\$A6) Misfire Monitoring (\$0B) Misfire Cylinder 5 Data			P	0.000	0.000	65535.000	Counts
25	<b>MISFIRE</b> (\$A6) Misfire Monitoring (\$0C) Misfire Cylinder 5 Data			P	0.000	0.000	65535.000	Counts
26	<b>MISFIRE</b> (\$A7) Misfire Monitoring (\$0B) Misfire Cylinder 6 Data			P	0.000	0.000	65535.000	Counts
27	<b>MISFIRE</b> (\$A7) Misfire Monitoring (\$0C) Misfire Cylinder 6 Data			P	0.000	0.000	65535.000	Counts
28	<b>UNDEFINED</b> (\$01) (\$91) Undocumented CID			P	2.140	0.800	655.350	%



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29	UNDEFINED	(\$05) (\$91) Undocumented CID				P	2.000	0.800	655.350	%	
30	UNDEFINED	(\$3D) (\$83) Undocumented CID				P	1.000	1.000	65535.000	Boolean	
31	UNDEFINED	(\$3D) (\$84) Undocumented CID				?	0.035	0.061	100.006	%	
32	UNDEFINED	(\$45) (\$97) Undocumented CID					P	6.000	0.000	16.500	C
33	UNDEFINED	(\$45) (\$98) Undocumented CID					P	65535.000	12000.000	65535.000	Unitless
34	UNDEFINED	(\$46) (\$97) Undocumented CID					P	11.000	0.000	16.500	C
35	UNDEFINED	(\$46) (\$98) Undocumented CID					P	65535.000	12000.000	65535.000	Unitless
36	Comp Test	Monitored Test Results (Mode \$06)	Status	Operating Range	P/F	Measurement	Lower Spec	Upper Spec	Unit		

### VECR-3 for OBD-II Diagnostic Trouble Code Test

1. Check Engine Light: ON  OFF

2. Generic Powertrain Test (Hard Failures and Pending Codes)

DTC CODES EXIST

### Freeze Frame (Frame 0)

Vehicle Specifics		Test Results
1	Generic Powertrain	No diagnostic codes retrieved
2	Enhanced Powertrain	No diagnostic codes retrieved
3	Anti-Lock Brake System	No diagnostic codes retrieved
4	Audio Amplifier	No diagnostic codes retrieved
5	Auto Highbeam Module	No diagnostic codes retrieved
6	Cabin Compartment Node	No diagnostic codes retrieved
7	Climate Control	No diagnostic codes retrieved
8	Driver Door Module	No diagnostic codes retrieved
9	Electronic Overhead Module	No diagnostic codes retrieved
10	Electronic Shifter Module	P0607 Control Module Performance
11	Final Drive Control Module	No diagnostic codes retrieved
12	Front Control Module	B210d Battery Voltage Low
13	Hands Free Module	No diagnostic codes retrieved
14	Heated Seat Module	No diagnostic codes retrieved
15	Intrusion Transceiver Module	No diagnostic codes retrieved
16	Light/Rain Sensor Module	No diagnostic codes retrieved
17	Master Audio Unit - Radio	No diagnostic codes retrieved
18	Memory Seat Module	No diagnostic codes retrieved
19	Occupant Classification Module	No diagnostic codes retrieved
20	Occupant Restraint Controller	B1ba3 Driver Seat Track Position Sensor (OCM)
21	Parktronic Module	No diagnostic codes retrieved
22	Passenger Door Module	No diagnostic codes retrieved
23	Satellite Radio	No diagnostic codes retrieved



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24	Steering Column Module	No diagnostic codes retrieved
25	Sunroof Module	No diagnostic codes retrieved
26	Transmission Control Module	U0404 Invalid Data Received from Gear Shift Control Module
27	Vehicle Entertainment System	No diagnostic codes retrieved
28	Wireless Control Module	C0077 Low Tire Pressure

**VECR-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
5	Evaporative System Monitoring	✔ Complete
6	Oxygen Sensor Monitoring	✔ Complete
7	Oxygen Sensor Heater Monitoring	✔ Complete