

## CDR File Information

Vehicle Identification Number	1G6KY529XVU828912
Investigator	
Case Number	
Investigation Date	
Crash Date	
Filename	NHTSA4937-1G6KY529XVU828912.CDR
Saved on	Tuesday, September 14 2004 at 12:02:54 PM
Data check information	EF9E51BA
Collected with CDR version	Crash Data Retrieval Tool 2.40
Collecting program verification number	32B7A917
Reported with CDR version	Crash Data Retrieval Tool 2.70
Reporting program verification number	70812808
Interface used to collected data	Block number: 00 Interface version: 3D Date: 06-18-04 Checksum: 5C00
Event(s) recovered	Crash 1 Deployment Non-Deployment

## SDM Data Limitations

### SDM Recorded Crash Events:

There are two types of SDM recorded crash events. The first is the Non-Deployment Event. A Non-Deployment Event is an event severe enough to "wake up" the sensing algorithm but not severe enough to deploy the air bag(s). The SDM can store up to one Non-Deployment Event. This event can be overwritten by an event that has a greater SDM vehicle recorded forward velocity change. This event will be cleared by the SDM after the ignition has been cycled 250 times.

The second type of SDM recorded crash event is the Deployment Event. The SDM can store up to two different Deployment Events. The first deployment event will be stored in the #1 Deployment file (this would have been the event that deployed the air bag) and the second Deployment Event will be stored in the #2 Deployment file. Deployment events cannot be overwritten or cleared from the SDM. Once the SDM has two deployments recorded, the SDM must be replaced.

The data in the non-deployment file will be locked after a deployment, if the non-deployment occurred within 5 seconds before the deployment or a deployment level event occurs within 5 seconds after the deployment.

### SDM Data Limitations:

- SDM Recorded Vehicle Forward Velocity Change reflects the change in forward velocity that the sensing system experienced during the recorded portion of the event. SDM Recorded Vehicle Forward Velocity Change is the change in velocity during the recording time and is not the speed the vehicle was traveling before the event, and is also not the Barrier Equivalent Velocity. This data should be examined in conjunction with other available physical evidence from the vehicle and scene when assessing occupant or vehicle forward velocity change. The SDM records the first 300 milliseconds of Vehicle Forward Velocity Change after Algorithm Enable. The maximum value that can be recorded for Vehicle Forward Velocity Change is 56 MPH.
- Driver's Belt Switch Circuit Status indicates the status of the driver's seat belt switch circuit.
- The Time between Non-Deployment and Deployment Events is displayed in seconds. If the time between the two events is greater than five seconds, "N/A" is displayed in place of the time.
- If power to the SDM is lost during a crash event, all or part of the crash record may not be recorded.

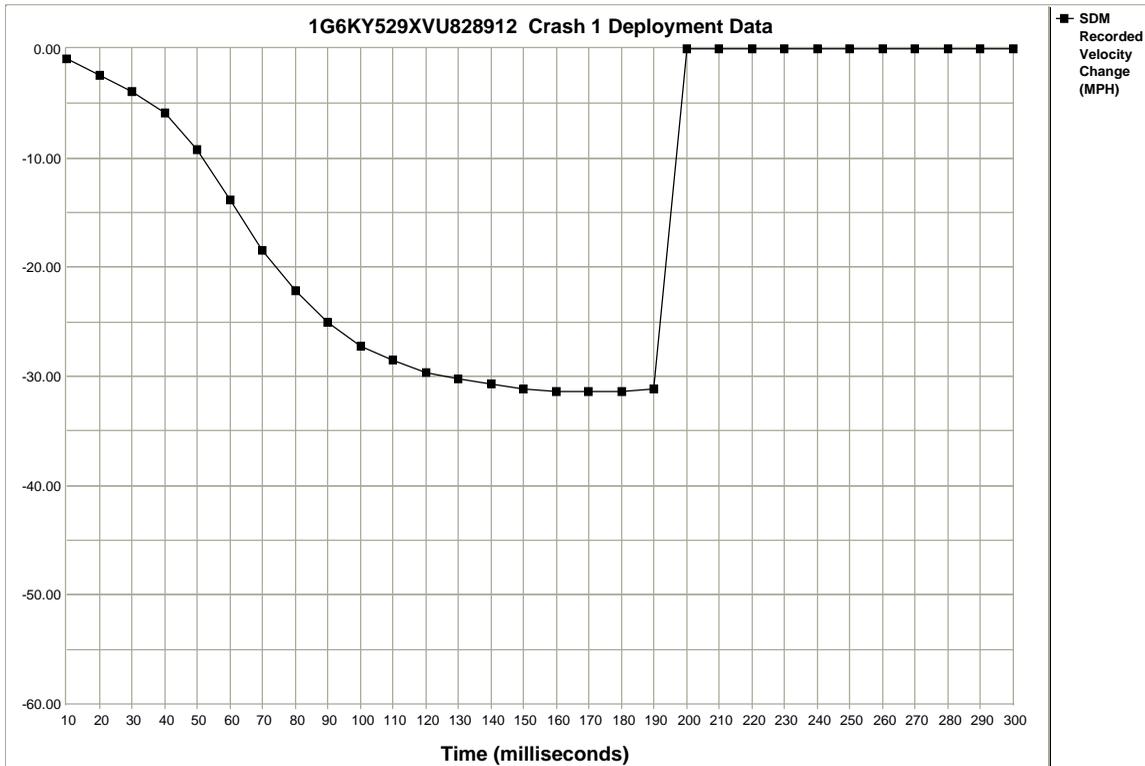
### SDM Data Source:

All SDM recorded data is measured, calculated, and stored internally, except for the following:

- The Driver's Belt Switch Circuit is wired directly to the SDM.

### System Status At Crash 1

SIR Warning Lamp Status	OFF
Driver's Belt Switch Circuit Status	UNBUCKLED
Ignition Cycles At Deployment	0
Ignition Cycles At Investigation	13060
Time From Algorithm Enable to Deployment Command Criteria Met (msec)	17.5
Time From Algorithm Enable to Pretensioner Deployment Command Criteria Met (msec)	0
Time Between Non-Deployment And Deployment Events (sec)	0



Time (milliseconds)	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150
Recorded Velocity Change (MPH)	-0.88	-2.41	-3.95	-5.92	-9.21	-13.82	-18.43	-22.16	-25.01	-27.21	-28.52	-29.62	-30.28	-30.72	-31.15
Time (milliseconds)	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300
Recorded Velocity Change (MPH)	-31.37	-31.37	-31.37	-31.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

## System Status At Non-Deployment

SIR Warning Lamp Status	OFF
Driver's Belt Switch Circuit Status	BUCKLED
Ignition Cycles At Non-Deployment	13058
Ignition Cycles At Investigation	13060
Algorithm Enable to Maximum SDM Recorded Velocity Change (msec)	1.25
Maximum SDM Recorded Velocity Change (MPH)	0.00
A Deployment was Commanded Prior to this Event	No



Time (milliseconds)	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150
Recorded Velocity Change (MPH)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Time (milliseconds)	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300
Recorded Velocity Change (MPH)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

## Hexadecimal Data

This page displays all the data retrieved from the air bag module.  
It contains data that is not converted by this program.

```
B600: FF FF FD FD FF FF FF FC
B608: FC FF FF FF FF FF FF FF
B610: FE 7E FF FF FF FF FF FF
B618: FF FF FF FB FB FF FF B7
B620: 7E FF FF FF FF FE FE FF
B628: FF 55 FF FF FC FF FF F7
B630: FF FF F1 FB F4 ED E4 D5
B638: C0 AB 9A 8D 83 7D 78 75
B640: 73 71 70 70 70 71 FF FF
B648: FF FF FF FF FF FF FF FF
B650: FF FF FF FF FF FF FF FF
B658: FF FF FF FF FF FF FF FF
B660: FF FF FF FF FF FF FF FF
B668: FF FF FF FF FF FF FF FF
B670: FF FF FF FF FF FF FF FF
B678: FF FF FF FF FF FF FF FF
B680: FF FF FF FF FF FF FF FF
B688: FF FF FF FF FF FF FF FF
B690: FF FF FF FF FC FF FF FF
B698: FF FF FE FF FF FF FF FF
B6A0: FF FF FF FF FF FF FF FF
B6A8: FF FF FF FF FF FF FF FF
B6B0: FF FF FF FF FF FF FF FF
B6B8: FF FF CC FD FF FF FF FF
B6C0: 7F F2 F5 FF FF FF FF FF
B6C8: FF FF 9B FD 42 33 31 37
B6D0: 33 53 41 53 77 86 4B 27
B6D8: 07 3F 9F FF FF 8A 02 55
B6E0: DE F7 FF C3 AF FF FF FF
B6E8: 55 FE FF FF 55 FF 55 FF
B6F0: FF FF FE FF FF F5 CB 06
B6F8: 06 06 06 C3 06 06 06 6D
B700: 92 B1 E6 5C FE A3 01 FF
B708: 43 AC 05 36 4B 53 59 E9
B710: E9 E9 E9 E9 E9 E9 E9 00
B718: 00 00 00 00 00 00 00 03
B720: C2 AA 12 50 00 00 02 00
B728: 00 28 08 F0 05 00 05 16
B730: 32 64 49 49 49 49 49 49
B738: 51 57 5A 5E 66 6F 77 83
B740: 87 8C 98 A6 AF B5 B8 BD
B748: C1 C5 C8 CD CF D0 D0 D0
B750: D0 D0 D0 D0 D0 D0 D0 D0
B758: D0 D0 D0 D0 D0 DA E0 E9
B760: F1 F8 FE 41 43 44 45 48
B768: 4A 4B 4D 4F 51 53 55 56
B770: 58 5A 5C 5D 5F 61 63 65
B778: 67 69 6B 6E 70 71 73 75
B780: 77 79 7B 7C 7E 7F 81 82
B788: 84 85 86 87 88 89 8A 8A
B790: 8B 8C 8D 8D 8E 8E 00 9C
B798: 01 10 0C 15 29 2E 11 0D
B7A0: 02 28 AA 00 50 51 25 25
B7A8: 25 25 25 25 25 25 25 25
B7B0: 25 25 25 29 2D 31 34 36
B7B8: 38 3A 3B 3E 41 43 4A 4A
B7C0: 4D 51 53 55 59 5A 5B 5B
B7C8: 5B 60 68 70 78 7E 82 85
B7D0: 87 8A 8B 8B 8B 8B 8B 8B
B7D8: 8B 8B 8B 8B 8B 8B 8B 8B
B7E0: 8B 8B 8B 8B 8B 8B 8B 8B
B7E8: 8B 8B 8B 8B 8B 8B 8B 8B
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B7F0: 8B 8B 8B 8B 8B 8B 7C 7C  
B7F8: 00 00 FF BC F3 00 FF FF