

IMPORTANT NOTICE: Robert Bosch LLC and the manufacturers whose vehicles are accessible using the CDR System urge end users to use the latest production release of the Crash Data Retrieval system software when viewing, printing or exporting any retrieved data from within the CDR program. Using the latest version of the CDR software is the best way to ensure that retrieved data has been translated using the most current information provided by the manufacturers of the vehicles supported by this product.

CDR File Information

| | |
|----------------------------|---------------------------------------|
| User Entered VIN | 1G6DW677460***** |
| User | jdh |
| Case Number | |
| EDR Data Imaging Date | 09/26/2011 |
| Crash Date | |
| Filename | 2006_CADILLAC_STS.CDRX |
| Saved on | Monday, September 26 2011 at 17:07:14 |
| Collected with CDR version | Crash Data Retrieval Tool 4.1 |
| Reported with CDR version | Crash Data Retrieval Tool 4.2 |
| EDR Device Type | Airbag Control Module |
| Event(s) recovered | Deployment Non-Deployment |

Comments

255-45r17

Data Limitations

Recorded Crash Events:

There are two types of recorded crash events. The first is the Non-Deployment Event. A Non-Deployment Event records data but does not deploy the air bag(s). The minimum SDM Recorded Vehicle Velocity Change, that is needed to record a Non-Deployment Event, is five MPH. A Non-Deployment Event may contain Pre-Crash and Crash data. The SDM can store up to one Non-Deployment Event. This event can be overwritten by an event that has a greater SDM recorded vehicle velocity change. This event will be cleared by the SDM, after approximately 250 ignition cycles. This event can be overwritten by a second Deployment Event, referred to as Deployment Event #2, if the Non-Deployment Event is not locked. The data in the Non-Deployment Event file will be locked, if the Non-Deployment Event occurred within five seconds of a Deployment Event. A locked Non Deployment Event cannot be overwritten or cleared by the SDM. The second type of SDM recorded crash event is the Deployment Event. It also may contain Pre-Crash and Crash data. The SDM can store up to two different Deployment Events. If a second Deployment Event occurs any time after the Deployment Event, the Deployment Event #2 will overwrite any non-locked Non-Deployment Event. Deployment Events cannot be overwritten or cleared by the SDM. Once the SDM has deployed an air bag, the SDM must be replaced.

Data:

-SDM Recorded Vehicle Velocity Change reflects the change in velocity that the sensing system experienced during the recorded portion of the event. SDM Recorded Vehicle 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. For Deployment Events, the SDM can record up to 220 milliseconds of data after Deployment criteria is met and up to 70 milliseconds before Deployment criteria is met. For Non-Deployment Events, the SDM can record up to the first 300 milliseconds of data after algorithm enable. Velocity Change data is displayed in SAE sign convention.

-The CDR tool displays time from Algorithm Enable (AE) to time of Deployment command in a Deployment event and AE to time of maximum SDM recorded vehicle velocity change in a Non-Deployment event. Time from AE begins when the first air bag system enable threshold is met and ends when Deployment command criteria is met or at maximum SDM recorded vehicle velocity change. Air bag systems such as frontal, side, or rollover, may be a source of an enable. The time represented in a CDR report can be that of the enable of one air bag system to the Deployment time of another air bag system.

-Maximum Recorded Vehicle Velocity Change is the maximum square root value of the sum of the squares for the vehicle's combined "X" and "Y" axis change in velocity.

-Event Recording Complete will indicate if data from the recorded event has been fully written to the SDM memory or if it has been interrupted and not fully written.

-SDM Recorded Vehicle Speed accuracy can be affected by various factors, including but not limited to the following:

- Significant changes in the tire's rolling radius
- Final drive axle ratio changes
- Wheel lockup and wheel slip

-Brake Switch Circuit Status indicates the open/closed state of the brake switch circuit.

-Pre-Crash data is recorded asynchronously.

-Pre-Crash Electronic Data Validity Check Status indicates "Data Invalid" if:

- The SDM receives a message with an "invalid" flag from the module sending the pre-crash data
- No data is received from the module sending the pre-crash data
- No module is present to send the pre-crash data
- Driver's and Passenger's Belt Switch Circuit Status indicates the status of the seat belt switch circuit, except: The Passenger Belt Switch Circuit Status for 2005 vehicles is available only on the Cadillac STS. The Passenger Belt Switch Circuit Status for 2006 Chevrolet Cobalt Sport Coupe (AP) model vehicles, with the option package that includes Recaro brand seats (RPO ALV), always reports a default value of "Buckled," because there is no passenger belt switch with the Recaro seat option.
- The Time Between Non-Deployment to 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 the value is negative, then the Deployment Event occurred first. If the value is positive, then the Non-Deployment Event occurred first.
- If power to the SDM is lost during a crash event, all or part of the crash record may not be recorded.
- The ignition cycle counter relies upon the transitions through OFF->RUN->CRANK power-moding messages, on the GMLAN communication bus, to increment the counter. Applying and removing of battery power to the module will not increment the ignition counter.
- Steering Wheel Angle data is displayed as a positive value when the steering wheel is turned to the right and a negative value when the steering wheel is turned to the left, except for Cadillac STS model vehicles with StabiliTrak 3.0 systems (RPO JL7). For Cadillac STS model vehicles with StabiliTrak 3.0 systems (RPO JL7), when the steering wheel is turned to the right, a negative value will be displayed and when the steering wheel is turned to the left, a positive value will be displayed. The Steering Wheel Angle data is reported in 16 degree increments.

Data Source:

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

- Vehicle Status Data (Pre-Crash) is transmitted to the SDM, by various vehicle control modules, via the vehicle's communication network.
- The Belt Switch Circuit is wired directly to the SDM.

01016_SDMEps_r004

Multiple Event Data

| | |
|---|----|
| Associated Events Not Recorded | 0 |
| An Event(s) Preceded the Recorded Event(s) | No |
| An Event(s) was in Between the Recorded Event(s) | No |
| An Event(s) Followed the Recorded Event(s) | No |
| The Event(s) Not Recorded was a Deployment Event(s) | No |
| The Event(s) Not Recorded was a Non-Deployment Event(s) | No |

System Status At AE

| | |
|--|-----------------|
| Vehicle Identification Number | **6DW677*6***** |
| Low Tire Pressure Warning Lamp (If Equipped) | OFF |
| Vehicle Power Mode Status | Run |
| Remote Start Status (If Equipped) | Inactive |
| Run/Crank Ignition Switch Logic Level | Active |
| Brake System Warning Lamp (If Equipped) | OFF |

System Status At 1 second

| | |
|---|-------------|
| Transmission Range (If Equipped) | Fourth Gear |
| Transmission Selector Position (If Equipped) | Fifth Gear |
| Traction Control System Active (If Equipped) | No |
| Service Engine Soon (Non-Emission Related) Lamp | OFF |
| Service Vehicle Soon Lamp | OFF |
| Outside Air Temperature (degrees F) (If Equipped) | 72 |
| Left Front Door Status (If Equipped) | Closed |
| Right Front Door Status (If Equipped) | Closed |
| Left Rear Door Status (If Equipped) | Closed |
| Right Rear Door Status (If Equipped) | Closed |
| Rear Door(s) Status (If Equipped) | Closed |

Pre-crash data

| Parameter | -2 sec | -1 sec |
|---|--------|--------|
| Reduced Engine Power Mode | OFF | OFF |
| Cruise Control Active (If Equipped) | No | No |
| Cruise Control Resume Switch Active (If Equipped) | No | No |
| Cruise Control Set Switch Active (If Equipped) | No | No |

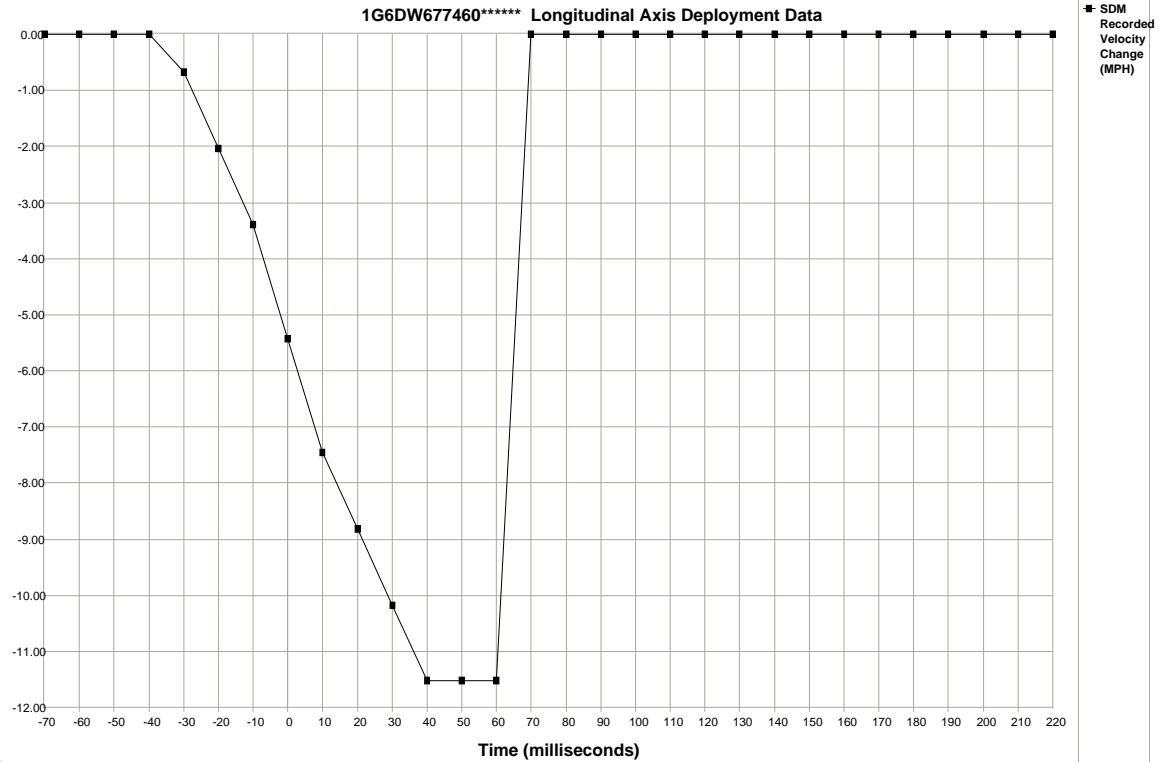
Pre-Crash Data

| Parameter | -5 sec | -4 sec | -3 sec | -2 sec | -1 sec |
|--|--------|--------|--------|--------|--------|
| Vehicle Speed (MPH) | 29 | 32 | 34 | 34 | 35 |
| Engine Speed (RPM) | 2624 | 2688 | 2304 | 2304 | 2176 |
| Percent Throttle | 25 | 25 | 23 | 24 | 7 |
| Brake Switch Circuit State | OFF | OFF | OFF | OFF | ON |
| Accelerator Pedal Position (percent) | 32 | 31 | 29 | 29 | 0 |
| Antilock Brake System Active (If Equipped) | No | No | No | No | No |
| Lateral Acceleration (feet/s ²)(If Equipped) | 0.00 | 0.00 | 0.00 | 0.00 | -1.64 |

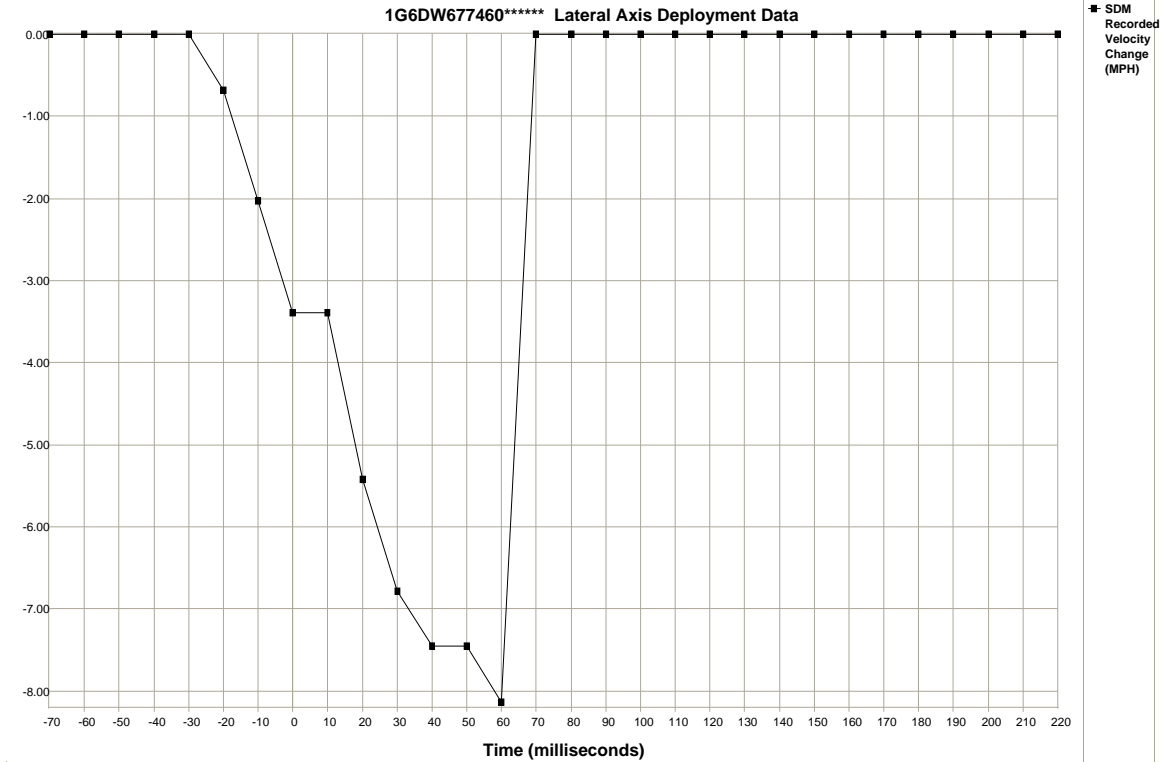
| Parameter | -5 sec | -4 sec | -3 sec | -2 sec | -1 sec |
|---|--------|--------|--------|--------|--------|
| Yaw Rate (degrees per second) (If Equipped) | -1 | 0 | 0 | -1 | -2 |
| Steering Wheel Angle (degrees) (If Equipped) | -16 | -16 | 0 | -16 | -16 |
| Vehicle Dynamics Control Active (If Equipped) | No | No | No | No | No |

System Status At Deployment

| | |
|---|--------------------|
| Ignition Cycles At Investigation | 15452 |
| SIR Warning Lamp Status | OFF |
| SIR Warning Lamp ON/OFF Time (seconds) | 655200 |
| Number of Ignition Cycles SIR Warning Lamp was ON/OFF Continuously | 15443 |
| Ignition Cycles At Event | 15452 |
| Ignition Cycles Since DTCs Were Last Cleared | 254 |
| Driver's Belt Switch Circuit Status | BUCKLED |
| Passenger's Belt Switch Circuit Status | UNBUCKLED |
| Diagnostic Trouble Codes at Event, fault number: 1 | N/A |
| Diagnostic Trouble Codes at Event, fault number: 2 | N/A |
| Diagnostic Trouble Codes at Event, fault number: 3 | N/A |
| Diagnostic Trouble Codes at Event, fault number: 4 | N/A |
| Diagnostic Trouble Codes at Event, fault number: 5 | N/A |
| Diagnostic Trouble Codes at Event, fault number: 6 | N/A |
| Automatic Passenger SIR Suppression System Validity Status at AE | Valid |
| Automatic Passenger SIR Suppression System Status at AE | Air Bag Suppressed |
| Automatic Passenger SIR Suppression System Validity Status at First Deployment Command | Valid |
| Automatic Passenger SIR Suppression System Status at First Deployment Command | Air Bag Suppressed |
| Driver 1st Stage Time From Algorithm Enable to Deployment Command Criteria Met (msec) | 34 |
| Driver 2nd Stage Time From Algorithm Enable to Deployment Command Criteria Met (msec) | 36 |
| Passenger 1st Stage Time From Algorithm Enable to Deployment Command Criteria Met (msec) | Suppressed |
| Passenger 2nd Stage Time From Algorithm Enable to Deployment Command Criteria Met (msec) | Suppressed |
| Driver Side or Roof Rail/Head Curtain Time From Algorithm Enable to Deployment Command Criteria Met (msec) | N/A |
| Passenger Side or Roof Rail/Head Curtain Time From Algorithm Enable to Deployment Command Criteria Met (msec) | N/A |
| Time Between Events (sec) | -.12 |
| Driver First Stage Deployment Loop Commanded | Yes |
| Driver Second Stage Deployment Loop Commanded | Yes |
| Driver Side Deployment Loop Commanded | No |
| Driver Pretensioner Deployment Loop Commanded | Yes |
| Driver (Initiator 1) Roof Rail/Head Curtain Loop Commanded | No |
| Driver (Initiator 2) Roof Rail/Head Curtain Loop Commanded | No |
| Driver Knee Deployment Loop Commanded | No |
| Passenger First Stage Deployment Loop Commanded | No |
| Passenger Second Stage Deployment Loop Commanded | No |
| Passenger Side Deployment Loop Commanded | No |
| Passenger Pretensioner Deployment Loop Commanded | Yes |
| Passenger (Initiator 1) Roof Rail/Head Curtain Loop Commanded | No |
| Passenger (Initiator 2) Roof Rail/Head Curtain Loop Commanded | No |
| Passenger Knee Deployment Loop Commanded | No |
| Driver Anchor Pretensioner Deployment Loop Commanded (If Equipped) | No |
| Second Row Left Pretensioner Deployment Loop Commanded | No |
| Third Row Left Roof Rail/Head Curtain Loop Commanded | No |
| Passenger Anchor Pretensioner Deployment Loop Commanded (If Equipped) | No |
| Second Row Right Pretensioner Deployment Loop Commanded | No |
| Third Row Right Roof Rail/Head Curtain Loop Commanded | No |
| Second Row Center Pretensioner Deployment Loop Commanded | No |
| Driver 2nd Stage Deployment Loop Commanded for Disposal | No |
| Passenger 2nd Stage Deployment Loop Commanded for Disposal | No |
| Crash Record Locked | Yes |
| Multiple Event Data/Vehicle Event Data (Pre-Crash) Associated With This Event | Yes |
| Deployment Event Recorded in the Non-Deployment Record | No |
| Event Recording Complete | Yes |



| | | | | | | | | | | | | | | | |
|--|------|------|------|------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|------|
| Time (milliseconds) | -70 | -60 | -50 | -40 | -30 | -20 | -10 | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 |
| SDM Longitudinal Axis Recorded Velocity Change (MPH) | 0.00 | 0.00 | 0.00 | 0.00 | -0.68 | -2.03 | -3.39 | -5.42 | -7.45 | -8.81 | -10.17 | -11.52 | -11.52 | -11.52 | 0.00 |
| Time (milliseconds) | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 170 | 180 | 190 | 200 | 210 | 220 |
| SDM Longitudinal Axis 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 |

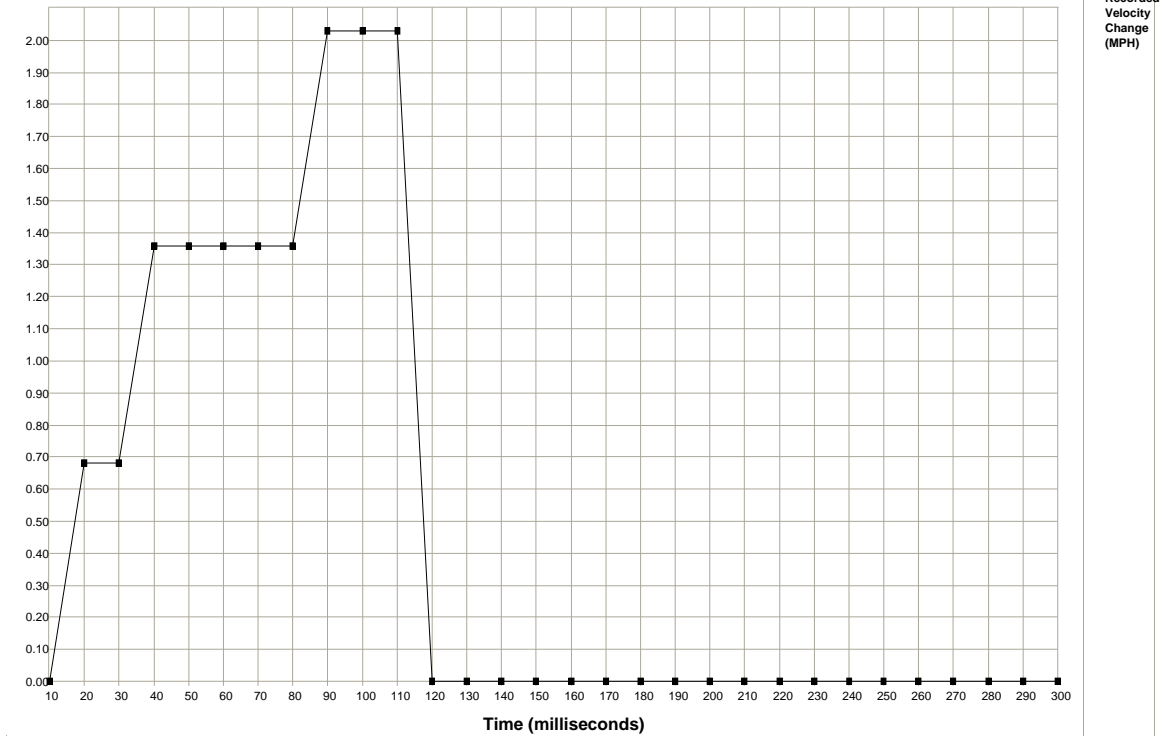


| | | | | | | | | | | | | | | | |
|---|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| Time (milliseconds) | -70 | -60 | -50 | -40 | -30 | -20 | -10 | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 |
| SDM Lateral Axis Recorded Velocity Change (MPH) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -0.68 | -2.03 | -3.39 | -3.39 | -5.42 | -6.78 | -7.45 | -7.45 | -8.13 | 0.00 |
| Time (milliseconds) | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 170 | 180 | 190 | 200 | 210 | 220 |
| SDM Lateral Axis 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 |

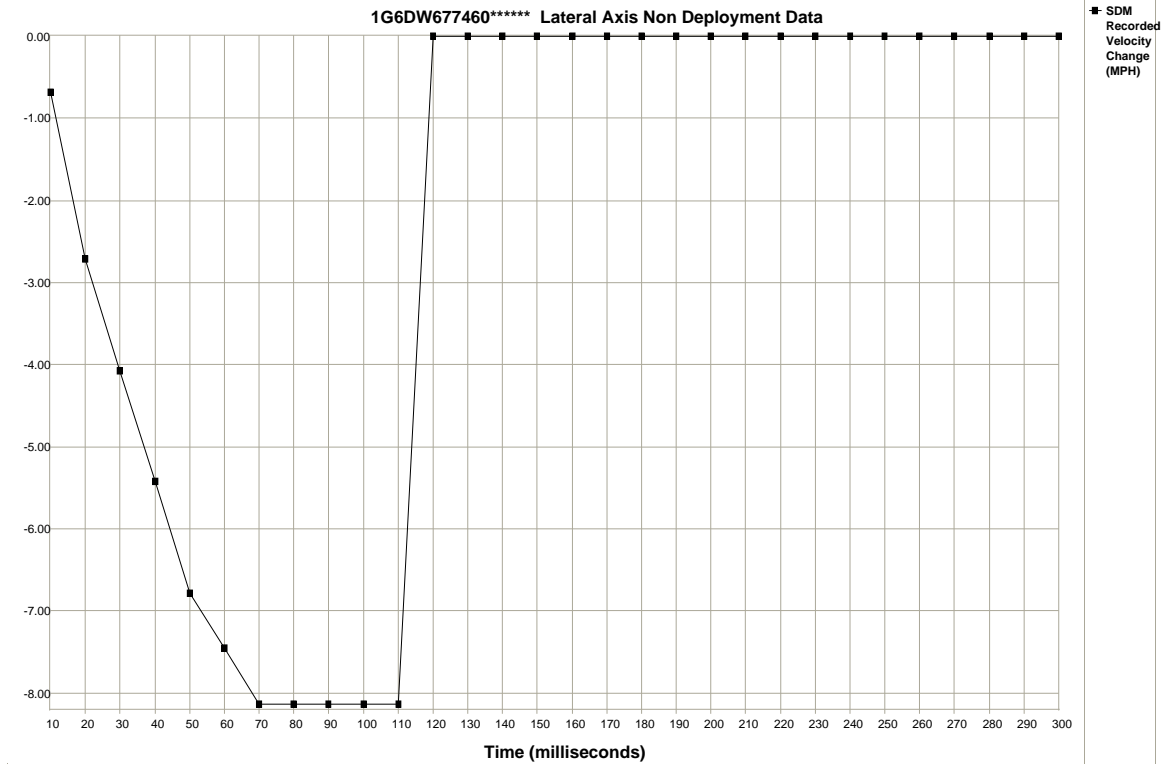
System Status At Non-Deployment

| | |
|---|--------------------|
| Ignition Cycles At Investigation | 15452 |
| SIR Warning Lamp Status | ON |
| SIR Warning Lamp ON/OFF Time (seconds) | 0 |
| Number of Ignition Cycles SIR Warning Lamp was ON/OFF Continuously | 0 |
| Ignition Cycles At Event | 15452 |
| Ignition Cycles Since DTCs Were Last Cleared | 254 |
| Driver's Belt Switch Circuit Status | BUCKLED |
| Passenger's Belt Switch Circuit Status | UNBUCKLED |
| Automatic Passenger SIR Suppression System Validity Status at AE | Valid |
| Automatic Passenger SIR Suppression System Status at AE | Air Bag Suppressed |
| Diagnostic Trouble Codes at Event, fault number: 1 | B0052 |
| Diagnostic Trouble Codes at Event, fault number: 2 | N/A |
| Diagnostic Trouble Codes at Event, fault number: 3 | N/A |
| Diagnostic Trouble Codes at Event, fault number: 4 | N/A |
| Diagnostic Trouble Codes at Event, fault number: 5 | N/A |
| Diagnostic Trouble Codes at Event, fault number: 6 | N/A |
| Maximum SDM Recorded Velocity Change (MPH) | 8.38 |
| Algorithm Enable to Maximum SDM Recorded Velocity Change (msec) | 90 |
| Driver First Stage Deployment Loop Commanded | No |
| Driver Second Stage Deployment Loop Commanded | No |
| Driver Side Deployment Loop Commanded | No |
| Driver Pretensioner Deployment Loop Commanded | No |
| Driver (Initiator 1) Roof Rail/Head Curtain Loop Commanded | No |
| Driver (Initiator 2) Roof Rail/Head Curtain Loop Commanded | No |
| Driver Knee Deployment Loop Commanded | No |
| Passenger First Stage Deployment Loop Commanded | No |
| Passenger Second Stage Deployment Loop Commanded | No |
| Passenger Side Deployment Loop Commanded | No |
| Passenger Pretensioner Deployment Loop Commanded | No |
| Passenger (Initiator 1) Roof Rail/Head Curtain Loop Commanded | No |
| Passenger (Initiator 2) Roof Rail/Head Curtain Loop Commanded | No |
| Passenger Knee Deployment Loop Commanded | No |
| Driver Anchor Pretensioner Deployment Loop Commanded (If Equipped) | No |
| Second Row Left Pretensioner Deployment Loop Commanded | No |
| Third Row Left Roof Rail/Head Curtain Loop Commanded | No |
| Passenger Anchor Pretensioner Deployment Loop Commanded (If Equipped) | No |
| Second Row Right Pretensioner Deployment Loop Commanded | No |
| Third Row Right Roof Rail/Head Curtain Loop Commanded | No |
| Second Row Center Pretensioner Deployment Loop Commanded | No |
| Crash Record Locked | Yes |
| Multiple Event Data/Vehicle Event Data (Pre-Crash) Associated With This Event | No |
| Deployment Event Recorded in the Non-Deployment Record | No |
| Event Recording Complete | Yes |

1G6DW677460***** Longitudinal Axis Non Deployment Data



| | | | | | | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Time (milliseconds) | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 |
| SDM Longitudinal Axis Recorded Velocity Change (MPH) | 0.00 | 0.68 | 0.68 | 1.36 | 1.36 | 1.36 | 1.36 | 1.36 | 2.03 | 2.03 | 2.03 | 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 |
| SDM Longitudinal Axis 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) | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 |
| SDM Lateral Axis Recorded Velocity Change (MPH) | -0.68 | -2.71 | -4.07 | -5.42 | -6.78 | -7.45 | -8.13 | -8.13 | -8.13 | -8.13 | -8.13 | 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 |
| SDM Lateral Axis 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

Data that the vehicle manufacturer has specified for data retrieval is shown in the hexadecimal data section of the CDR report. The hexadecimal data section of the CDR report may contain data that is not translated by the CDR program. The control module contains additional data that is not retrievable by the CDR system.

```
$01 00 00 00 00 00 00 00
$02 00 00 00 00 00 00 00
$03 01 00 00 00 00 00 00
$04 00 00 00 00 00 00 00
$05 00 00 00 00 00 00 00
$06 00 0A 00 00 09 54 15
$07 00 50 00 00 00 00 00
$08 00 FF 00 00 00 00 00
$09 02 00 6E 00 00 00 00
$0A 00 00 00 00 00 00 00
$0B 00 00 02 08 00 00 00
$0C 00 00 00 00 00 00 00
$0D 00 00 00 00 00 00 00
$0E 00 00 00 00 00 00 00
$0F 7E A0 00 00 00 00 00
$10 47 36 44 57 36 37 37
$11 34 36 30 31 39 36 30
$12 35 36 00 00 00 00 00
$13 00 00 00 00 00 00 00
$14 80 00 00 00 00 00 00
$15 80 00 00 00 00 00 00
$16 00 01 01 2C 40 40 00
$17 00 00 00 00 00 00 00
$18 00 00 00 00 00 00 00
$19 00 00 00 00 00 00 00
$1B FF 30 00 67 00 7A 00
$1C FF 30 00 66 00 1A 00
$1D 00 00 00 00 00 00 00
$1E 00 00 00 00 00 00 00
$1F 28 00 00 00 00 00 00
$20 40 00 00 00 00 00 00
$21 00 00 00 00 F0 00 00
$22 00 A0 00 00 00 00 00
$24 00 00 00 00 00 00 00
$25 00 00 00 00 00 00 00
$26 00 00 00 00 00 00 00
$27 FF 00 FF 00 00 00 00
$2A 00 00 00 00 00 00 00
$2B 00 00 00 00 00 00 00
$2D 00 00 00 00 00 00 00
$2E 00 FF F0 3C 53 00 00
$2F 00 FE 3C 5C 00 00 00
$30 9D 00 00 00 00 00 00
$31 00 4A 4A 4E 51 00 00
$32 80 00 00 00 00 00 00
$33 11 3C 3A 3F 40 00 00
$34 22 24 24 2A 29 00 00
$35 39 37 36 33 2F 00 00
$36 FF FF 00 FF FF 00 00
$37 00 00 00 04 05 00 00
$38 7D 00 00 00 00 00 00
$39 FE 00 00 00 00 00 00
$3A FE FF 00 00 FF 00 00
$3B 0B 09 11 10 2F 00 00
```

```
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$3D 36 44 57 36 37 37 00
$3E 36 FF FF FF 00 00 00
$3F 00 00 90 00 00 00 00
$40 80 A5 00 00 00 00 00
$41 00 00 00 00 00 00 00
$42 80 00 00 00 00 00 00
$43 FE 3C 5C 00 00 00 00
$44 80 52 00 00 00 00 00
$45 00 00 00 00 00 00 00
$46 00 00 00 00 00 00 00
$47 FF 00 FC 01 FA 01 00
$48 F8 02 F6 02 F5 02 00
$49 F4 02 F4 02 F4 03 00
$4A F4 03 F4 03 00 00 00
$4B 00 00 00 00 00 00 00
$4C 00 00 00 00 00 00 00
$4D 00 00 00 00 00 00 00
$4E 00 00 00 00 00 00 00
$4F 00 00 00 00 00 00 00
$50 00 00 00 00 00 00 00
$51 D0 00 00 00 00 00 00
$52 00 00 00 00 00 00 00
$53 09 00 99 00 00 00 00
$54 00 00 00 00 00 00 00
$55 00 00 00 00 00 00 00
$67 A0 A5 00 00 00 00 00
$68 D0 10 00 00 00 00 00
$69 00 FF F0 3C 53 00 00
$6A FE 3C 5C 00 00 00 00
$6B 00 00 00 00 00 00 00
$6C 00 00 00 00 00 00 00
$6D 00 00 00 00 00 00 00
$6E 00 00 00 00 00 00 00
$6F 00 00 00 FF FF FD 00
$70 FD FB FB F8 FB F5 00
$71 F8 F3 F6 F1 F5 EF 00
$72 F5 EF F4 EF 00 00 00
$73 00 00 00 00 00 00 00
$74 00 00 00 00 00 00 00
$75 00 00 00 00 00 00 00
$76 00 00 00 00 00 00 00
$77 00 00 00 00 00 00 00
$78 D0 00 00 00 00 00 00
$79 00 00 00 00 00 00 00
$7A 00 00 00 00 00 00 00
$7B 11 12 00 00 00 00 FD

$01 41 55 30 35 30 39 52 36 30 31 30 31 31 48 35 45
$02 41 0B 21 59
$03 41 54 30 35 30 39 52 35 33 34 37 31 31 44 32 50
$04 41 0B 21 59
$05 42 55 FF FF FF FF FF FF FF FF FF FF FF FF FF FF
$06 FF FF FF FF
$07 42 54 FF FF FF FF FF FF FF FF FF FF FF FF FF FF
$08 FF FF FF FF
$0D 41 48 30 35 31 30 52 35 33 35 30 32 31 44 4A 4A
$0E 01 88 99 98
$0F 41 4A 30 35 31 30 52 35 33 35 30 32 31 44 47 48
$10 01 88 99 98
$13 42 52 37 32 36 39 38 33 36 30 32 30 31 45 55 53
$14 01 89 3B 55
$17 42 54 FF FF FF FF FF FF FF FF FF FF FF FF FF
$18 FF FF FF FF
$21 32 16 B8 0B AC C8 91 9A
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```
$22 54 15
$23 36 44 FA FA FA FA FA
$24 36 44 FA FA FA FA FA
$25 47 44 FA FA FA FA FA
$26 47 44 FA FA FA FA FA
$40 00 00
$41 FF 30 00 66 00 1A
$42 D0 E4
$43 00 80 8E 80
$44 C6 00 00 FC C0 C0
$45 07 01 07 01 05 01
$46 00 10 10 64 64
$47 0A 64 02 04 04 05 0A 06 04 0A 00 00 FA 00 00 FF 04 64
$48 18 08 08
$B0 58
$B1 FD FE 00
$B2 FF FF FF FF FF
$B4 41 53 35 34 31 35 32 31 30 51 4E 46 20 20 20 20
$B7 50 AA 02 0F 02
$B8 44 4D 69 05 09
$C1 30 46 30 32
$CA 30 46 30 32
$CB 00 F1 52 F7
$CC 00 F1 52 F7
$D1 00 00
$DB 00 00
$DC 00 00
```

Disclaimer of Liability

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