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	3MEHM08Z77R******
User	
Case Number	
EDR Data Imaging Date	
Crash Date	
Filename	2010-12-074-V1.CDR
Saved on	
Collected with CDR version	Crash Data Retrieval Tool 3.3
Reported with CDR version	Crash Data Retrieval Tool 10.0.1
EDR Device Type	Airbag Control Module
ACM Adapter Detected During Download	No
Event(s) Recovered	Side event

Comments

Data Limitations

RESTRAINTS CONTROL MODULE RECORDED CRASH EVENTS:
Deployment Events cannot be overwritten or cleared from the Restraints Control Module (RCM). Once the RCM has deployed any airbag device, the RCM must be replaced. The data from events which did not qualify as deployable events can be overwritten by subsequent events.
The RCM can store up to three deployment events.

AIRBAG CONTROL MODULE DATA LIMITATIONS:

- Restraints Control Module Recorded Vehicle Forward Velocity Change reflects the change in forward velocity that the sensing system experienced from the point of algorithm wake up. It is not the speed the vehicle was traveling before the event. Note that the vehicle speed is recorded separately five seconds prior to algorithm wake up. 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.
- If power to the Airbag Module is lost during a crash event, all or part of the crash record may not be recorded.

AIRBAG CONTROL MODULE DATA SOURCES:
Event recorded data are collected either internally or externally to the RCM.

- INTERNAL DATA is measured, calculated, and stored internally; sensors external to the RCM include the following:
  > The Driver and Passenger Belt Switch Circuits are wired directly to the RCM.
  > The Driver's Seat Track Position Switch Circuit is wired directly to the RCM.
  > The Side Impact Sensors (if equipped) are located on the side of vehicle and are wired directly to the RCM.
  > The Occupant Classification Sensor is located in the front passenger seat and transmits data directly to the RCM on high-speed CAN bus.
  > Front Impact Sensors (right and left) are located at the front of vehicle and are wire directly to the RCM.

- EXTERNAL DATA recorded by the RCM are data collected from the vehicle communication network from various sources such as Powertrain Control Module, Brake Module, etc.

02008_RCM-RC5_r001

System Status at Time of Retrieval

Current lifetime operating timer (sec)	9,160,305
Deployment command counter	0
Restraints Control Module Part Number	7E53-14B321-BE
Restraints Control Module Serial Number	
RCM Software Version	Rev Level 7 of 29 July 2005

System Configuration at Time of Retrieval

Configured for driver airbag, stage one	Yes
Configured for passenger airbag, stage one	Yes
Configured for driver airbag, stage two	Yes
Configured for passenger airbag, stage two	Yes
Configured for driver retractor pretensioner	No
Configured for passenger retractor pretensioner	No
Configured for driver pretensioner	Yes
Configured for passenger pretensioner	Yes
Configured for driver side thorax airbag	Yes
Configured for passenger side thorax airbag	Yes
Configured for driver side curtain	Yes
Configured for passenger side curtain	Yes
Configured for driver adaptive load limiter	No
Configured for passenger adaptive load Limiter	No
Configured for driver adaptive vent	No
Configured for passenger adaptive vent	No
Configured for center front satellite sensor	Yes
Configured for passenger front satellite sensor	No
Configured for driver side, row 1 satellite sensor	Yes
Configured for passenger side row 1 satellite sensor	Yes
Configured for driver side row 2 satellite sensor	Yes
Configured for passenger side row 2 satellite sensor	Yes
Configured for driver seat track position sensor	Yes
Configured for driver seat belt buckle sensor	Yes
Configured for passenger seat belt buckle sensor	Yes
Configured for airbag cut off sensor	No
Configured for side event detection	Yes
Configured for roll over event detection	No
Configured for OCS	Yes
Configured for driver belt minder	Yes
Configured for passenger belt minder	Yes
Configured for passenger airbag disable indicator	Yes
Configured for emergency notification system	No
Configured for fuel cut off system	No

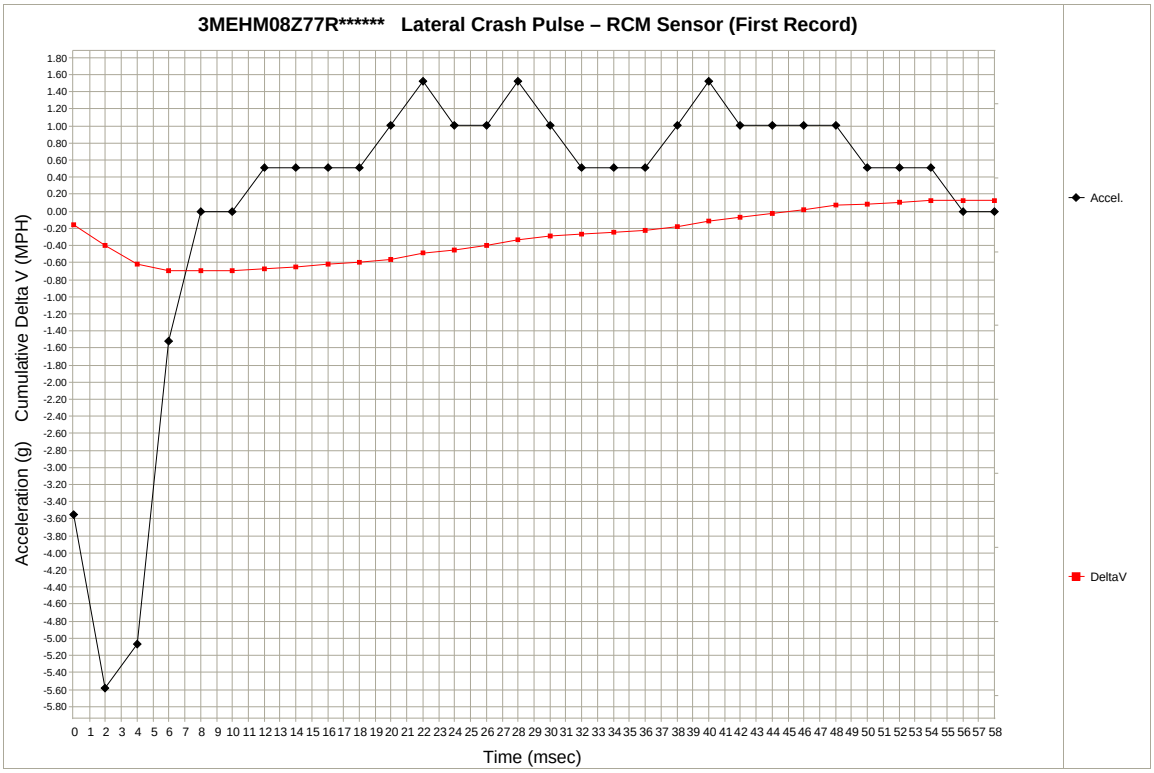
System Status at Event (First Record)

Life time operating timer at start of event (sec)	2,837,825
Deployment time at start of event (sec)	3,770
Driver belt switch circuit status at start of event	Buckled
Driver seat position at start of event	Forward
Passenger belt switch circuit status at start of event	Unbuckled
Last passenger OCS classification at start of event	Empty
Battery less than 10 volts at start of event	No
Battery greater than 16 volts at start of event	No
Warning lamp command at start of event	Off
CAN OCS message missing at start of event	No
Driver B-pillar satellite sensor faulted at start of event	No
Driver C-pillar satellite sensor faulted at start of event	No
Passenger B-pillar satellite sensor faulted at start of event	No
Passenger C-pillar satellite sensor faulted at start of event	No
Center Front satellite at Start of Event	No
Passenger front satellite sensor faulted at start of event	No
PADI lamp faulted at start of event	No
Warning lamp faulted at start of event	No
Energy reserve faulted at start of event	No

Deployment Data (First Record)

Pre-Crash Data (First Record)

Time (sec)	-5	-4	-3	-2	-1
Accelerator Pedal (%)	18	0	0	0	0
Vehicle speed (MPH [km/h])	36.3 [58.5]	36.5 [58.8]	36.0 [57.9]	35.2 [56.7]	32.7 [52.6]
ABS event in progress	No	No	No	No	No
TCS engine event in progress	No	No	No	No	No
Brake depressed	No	No	Yes	Yes	Yes
OCS classification	Empty	Empty	Empty	Empty	Empty



Lateral Crash Pulse - RCM Sensor (First Record)

Time (msec)	RCM recorded vehicle lateral acceleration (g)	Cumulative vehicle lateral velocty change (MPH [km/h])	Time (msec)	RCM recorded vehicle lateral acceleration (g)	Cumulative vehicle lateral velocty change (MPH [km/h])
0	-3.55	-0.16 [-0.26]	30	1.01	-0.29 [-0.47]
2	-5.58	-0.40 [-0.64]	32	0.51	-0.27 [-0.43]
4	-5.07	-0.62 [-1.00]	34	0.51	-0.25 [-0.40]
6	-1.52	-0.69 [-1.11]	36	0.51	-0.22 [-0.35]
8	0.00	-0.69 [-1.11]	38	1.01	-0.18 [-0.29]
10	0.00	-0.69 [-1.11]	40	1.52	-0.11 [-0.18]
12	0.51	-0.67 [-1.08]	42	1.01	-0.07 [-0.11]
14	0.51	-0.65 [-1.05]	44	1.01	-0.02 [-0.03]
16	0.51	-0.62 [-1.00]	46	1.01	0.02 [0.03]
18	0.51	-0.60 [-0.97]	48	1.01	0.07 [0.11]
20	1.01	-0.56 [-0.90]	50	0.51	0.09 [0.14]
22	1.52	-0.49 [-0.79]	52	0.51	0.11 [0.18]
24	1.01	-0.45 [-0.72]	54	0.51	0.13 [0.21]
26	1.01	-0.40 [-0.64]	56	0.00	0.13 [0.21]
28	1.52	-0.33 [-0.53]	58	0.00	0.13 [0.21]

Lateral Crash Pulse - Satellite Sensors (First Record)

Time (msec)	RCM recorded driver side B pillar satellite acceleration (g)	RCM recorded passenger side B pillar satellite acceleration (g)	RCM recorded driver side C pillar satellite acceleration (g)	RCM recorded passenger side C pillar satellite acceleration (g)
0	0.00	-6.24	16.64	-24.96
2	-4.16	14.56	6.24	-6.24
4	-2.08	6.24	0.00	20.80
6	0.00	6.24	2.08	-22.88
8	-2.08	2.08	0.00	0.00
10	4.16	0.00	6.24	8.32
12	2.08	0.00	-2.08	-4.16
14	0.00	0.00	2.08	4.16
16	0.00	0.00	-4.16	0.00
18	0.00	2.08	0.00	0.00
20	0.00	0.00	2.08	0.00
22	0.00	2.08	6.24	0.00
24	2.08	0.00	-4.16	0.00
26	2.08	2.08	6.24	2.08
28	0.00	0.00	0.00	-4.16
30	2.08	0.00	2.08	4.16
32	0.00	0.00	0.00	-2.08
34	2.08	0.00	0.00	2.08
36	0.00	2.08	2.08	0.00
38	0.00	0.00	0.00	0.00
40	0.00	2.08	0.00	0.00
42	2.08	0.00	0.00	0.00
44	0.00	0.00	0.00	0.00
46	0.00	-2.08	0.00	2.08
48	2.08	0.00	0.00	0.00
50	0.00	0.00	0.00	2.08
52	2.08	0.00	0.00	0.00
54	0.00	2.08	0.00	0.00
56	2.08	2.08	0.00	4.16
58	0.00	0.00	4.16	-2.08

Hexadecimal Data

Disclaimer of Liability

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