

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	2C3CDXJG5CH136148
User	
Case Number	MC0316
EDR Data Imaging Date	01/27/2012
Crash Date	
Filename	2C3CDXJG5CH136148_ACM.CDRX
Saved on	Friday, January 27 2012 at 10:29:39
Collected with CDR version	Crash Data Retrieval Tool 4.3
Reported with CDR version	Crash Data Retrieval Tool 10.0
EDR Device Type	Airbag Control Module
Event(s) recovered	Most Recent Event, Deployment

Comments

No comments entered.

Data Limitations

AIRBAG CONTROL MODULE (ACM) DATA LIMITATIONS:

GENERAL INFORMATION:

CAUTION: During Bench top imaging, make sure the ACM is not moved, tilted or turned over while connected to and powered by the CDR Interface Module. Also, after a CDR imaging process, wait 2 minutes after power is removed from the ACM before attempting to move the module. Not following these general ACM guidelines for bench top imaging could cause new events to be recorded in the ACM.

The ACM current fault status will be altered if the ACM is powered-up without having all of the other vehicle inputs connected (e.g., bench top imaging). This situation will occur when the CDR tool is connected directly to the ACM. This will not affect the stored fault data information in any of the Event Records. Always make a note in the CDR case comments section when an ACM bench top imaging process is being performed.

The recorded Event will contain Pre-Crash data.

- T0 (where '0' is subscript) (-0.1 sec.) is defined as either:
 - The last sample point in the vehicle data buffer when the ACM commanded a deployment
 - The algorithm wakeup.
 - Please note that the algorithm wakeup may be different for front, side, and roll-over events and their associated parameters.
- The VIN is captured by the ACM and then recorded as the Original VIN after 10 consecutive ignition cycles of capturing the same number. Once it has been recorded, this number cannot be modified.
- As the VIN may be used to determine the configuration of the restraint system, it is imperative that the correct VIN be entered into the CDR software during the imaging process.

CDR FILE INFORMATION:

Event(s) Recovered definitions:

- None - There are no stored events in the Airbag Control Module (ACM)
- Not Retrievable - Event Data may be stored in the ACM but is not retrievable by the CDR tool.
- For Continental ACMs:
 - Event Record 1 - Data from an event is stored in the ACM (not necessarily in chronological order)
 - Event Record 2 - Data from another event is stored in the ACM (not necessarily in chronological order)
 - Event Record 3 - Data from another event is stored in the ACM (not necessarily in chronological order) (for modules with 3 stored events)
- For all other ACMs:
 - Most Recent Event - Data of the most recent event is displayed in the report
 - 1st Prior Event - Two events are stored in the ACM, Data displayed is of the first prior event.
 - 2nd Prior Event - Three events are stored in the ACM, Data displayed is of the second prior event.

- Etc., (for modules with 3 to 5 stored events)

CDR RECORD INFORMATION:

- The following table provides an explanation of the sign notation for data elements that may be included in this CDR report.

Data Element Name	Positive Sign Notation Indicates
Longitudinal Acceleration	Forward
Delta-V, Longitudinal	Forward
Maximum Delta-V, Longitudinal	Forward
Lateral Acceleration	Left to Right
Delta-V, Lateral	Left to Right
Maximum Delta-V, Lateral	Left to Right
Normal Acceleration	Upward
Vehicle Roll Angle	Left to Right Rotation

- If power to the ACM is lost during an event, all or part of the event data record may not be recorded. Two scenarios may be recorded under this condition:
 - “None” may be displayed in the “Event(s) Recovered” section of the report indicating no pre-crash vehicle data.
 - An event may be displayed in the “Event(s) Recovered” section of the report and “Interrupted” will be displayed for Vehicle Event Recorder Status.
- Note: For the 2010-2012 MY Dodge Journey, Dodge Grand Caravan, Chrysler Town and Country, and Chrysler Grand Voyager, “interrupted” in Vehicle Event Recorder Status/Event Recorder Status indicates either be a non-deployment event or an interrupted deployment event.
- For ACMs that store non-deployment events, the minimum delta V required to store an event is a delta V of 5 mph (8 km/h) within a 150 ms interval.
- Definitions for Data Blocks 1 - 7 and Overall Data Record Complete:
 1. Crash Record (system status and DTCs)
 2. NHTSA Table #1 Vehicle System data
 3. NHTSA Table #1 Longitudinal delta-V
 4. NHTSA Table #2 Vehicle System Data
 5. NHTSA Table #2 Lateral delta-V - will be a NO if vehicle is not equipped with side sensing
 6. ACM angular rate data - will be a NO if vehicle is not equipped with roll-over sensing
 7. Other Vehicle System Data - Chrysler Specific Data
 Overall Data Record Complete - Yes, No is defined based on what the specific vehicle configuration. For example, a NO may be present for a non-applicable data block but a YES may be present for overall data record complete as all of the applicable data is complete.
- For non-NAFTA ACMs that control pedestrian protection devices, a non-deployment event will be also stored when the pedestrian protection devices are activated.
- The Airbag Control Module Configuration indicates the inputs and outputs that the ACM for a particular vehicle monitors and/or controls.
- “Event Number” in the System Status at Event section of the report :
 - Indicates the event number per vehicle ignition cycle for:
 - 2010 - 2012 Sebring, Avenger, Caliber, Nitro, Compass, Liberty, Patriot, Wrangler, and Ram
 - Indicates the overall order of the events for all other applicable vehicles.
- “Total Number of Events Recorded” in the System Status at Event section of the report:
 - Stops incrementing when each event record is recorded by the ACM for:
 - 2010 - 2012 Sebring, Avenger, Caliber, Nitro, Compass, Liberty, Patriot, Wrangler, and Ram
 - Indicates the total number of events that the ACM has recorded for all other applicable vehicles.
- “Operation System Time at Event (min)” in the System Status at Event section of the report is a lifetime timer for the ACM. It indicates the amount of time, over the ACM’s lifetime that the ACM has been powered up.
- “Time from Event 1 to 2 (sec)” in the System Status at Event section of the report indicates the time from t0 of the first event to t0 of the second event. If the value is greater than 5 seconds, “>5” will be displayed.
- Active Head Restraint (AHR) - This refers to the active head restraint systems that are electronically controlled by the ACM.
- For applicable vehicles, a “Yes” for a particular item in the Deployment Command Data section of the report indicates that the ACM commanded the deployment of the associated device. Note: For 2010 MY vehicles equipped with AHR, the AHR deployment will not be recorded in the EDR.
- Vehicle Data (Pre-Crash) is transmitted to the Airbag Control Module, by various vehicle control modules, via the vehicle’s communication network.
- On 2006-2009 Ram 2500/3500, the Engine RPM recorded is limited to a maximum of 4080 RPM. On the 2008 - 2010 Dodge Grand Caravan, 2008-2010 Chrysler Town and Country and 2009-2010 Dodge Journey, the engine RPM resolution is 256 rpm. On all other vehicles, the resolution is 32 rpm.
- If a recorded event has Engine RPM equal to SNA and Speed, Vehicle Indicated equals SNA for each time stamp, then the data is default data and the event stored in the ACM is not valid.
- The accuracy of the recorded Speed, Vehicle Indicated will be affected if the vehicle had the tire size or the final drive axle ratio

changed from the factory build specifications.

- Speed, Vehicle Indicated is reported as an average of the drive wheels.
- On the 2008 - 2009 Dodge Grand Caravan, 2008-2009 Chrysler Town and Country and 2009 Dodge Journey, the vehicle speed resolution is 2 kph. On all other vehicles, the resolution is 1 kph.
- The MIL (Malfunction Indicator Lamp) Status for the various recorded systems indicates the state of the applicable malfunction indicator lamp at the time that the data was captured. Note: Some fault codes could be stored due to component/system damage from the accident.
- For correct polarity of Maximum Delta-V Longitudinal or Maximum Delta-V Lateral, reference the graph and the table of Delta-V values.
- On vehicles equipped with ETC, "Accelerator Pedal, % Full" and "Engine Throttle, % Full" are relative values - relative pedal position and relative engine throttle. These parameters may record values of less than 100% when the pedal/throttle is actually at its maximum.

NOTE: The appropriate diagnostic tool should be used to read any stored Diagnostic Trouble Codes (DTC's) in the various electronic modules (ACM, PCM, ABS, TCM, etc., where applicable) for use in interpretation of some vehicle specific recorded data.

VEHICLE DATA DEFINITIONS:

Vehicle Event Recorder Status definitions:

- For additional definitions, please refer to the CDR Help File Glossary
- ABS MIL (if equip.) - This indicates the ABS fault indicator lamp status. It will only be "On" when there is a fault in the ABS system. The Electronic brake module DTC's should be read and recorded for final system interpretation.
- ESP MIL (if equip.) - This indicates the ESP/BAS fault indicator lamp status. It will only be "On" when there is a fault or thermal model shutdown in the ESP system. The ESP module DTC's should be read and recorded for final system interpretation.
- ESP Lamp (if equip.) - This is the status of the ESP symbol - "car with squiggly lines" indicator lamp. "On" indicates ESP has been turned off by the driver or has reduced performance and is not an indication of a fault in the system.
- ESP Lamp Flashing Requested (if equip.) - If "Yes", then an ESP, Traction Control or Trailer Sway Control (if equipped) event was active at the time of data capture.
- ESP Disabled (if equip.) - "Yes" indicates that ABS & ESP have been disabled by the driver or due to system performance.
- ESP Functional/Active (if equip.) - "YES" indicates that the ESP system is functional and has no faults.
- Panic Brake Assist Active (if equip.) - "Yes" indicates that all four of the brake circuits are under going ABS control.
- Steering Input (deg) (if equip.):
- Steering Input polarity is positive for right turns on:
 - o 2006 - 2007 Grand Cherokee
 - o 2006 - 2007 Commander
 - o 2005 - 2010 300, Magnum, and Charger
 - o 2008 - 2010 Challenger
- Steering Input polarity is negative for right turns on:
 - o All other vehicles and model years not specified above
- Yaw Rate (deg/sec) (if equip.): All vehicles have negative yaw rate when making a right turn.
- ETC Lamp - Lamp "ON" indicates there is an active Electronic Throttle DTC.
- ETC Lamp Flashing - If "Yes", then the ETC is in the limp-in mode.
- Engine Torque Applied - If "No", then no engine torque output was applied (as in Park/Neutral for Automatic transmissions or clutch depressed on manual or during an ESP/Traction Control event). If "Yes", then engine torque output was applied.
- Tire 1 (2) Location (if equip.) - This indicates the location of the tire pressure sensor data. De fault is used to indicate that the location of the tire pressure sensor is unknown or there is no tire pressure sensor in the wheel. Vehicles with Base Tire Pressure Monitoring systems will display SNA for both Tire Locations as these vehicles do not send actual pressure values across the communication bus.
- Tire 1 (2) Pressure Status (if equip.) - This indicates the actual pressure status of the Tire Location defined in the previous column. Possible values are LOW, NORMAL, HIGH, or SNA for this parameter. Vehicles with Base Tire Pressure Monitoring systems will display NORMAL even though these vehicles do not send actual pressure values across the communication bus.
- Tire 1 (2) Pressure (psi) (if equip.) - This indicates the actual tire pressure value of the Tire Location defined. Vehicles with Base Tire Pressure Monitoring systems will display N/A for this parameter as these vehicles do not send actual pressure values across the communication bus.
- Cruise Control System - "On" indicates that the Cruise Control system is turned on.
Cruise Control Active - "Yes" indicates the Cruise Control system is actively controlling vehicle speed. "No" indicates the system is NOT controlling vehicle speed.
- (if equip.) - If a parameter name is followed by the words (if equip.), then the parameter is only valid for vehicles equipped with the associated parameter/vehicle system.

APPLICATION INFORMATION:

- 2005 - 2009 Durango's equipped with side airbags have EDR data that can be imaged by the CDR tool. Durango's not equipped with side airbags have EDR Data that might be imaged by the CDR tool and can always be imaged by the supplier.

- For 2005 & 2006 MY, some Chrysler 300, Dodge Magnum, Dodge Charger, Jeep Grand Cherokee, and Jeep Commander models may contain EDR data that can not be imaged by the CDR tool.
- For 2006 & 2007 MY, some PT Cruiser models may contain EDR data that can not be imaged by the CDR tool.
- EDR Data is only recorded for frontal deployments in the following vehicles:
 - 2005-2007 Durango
 - 2006-2007 Ram 1500
 - 2006-2009 Ram 2500/3500 Heavy Duty
 - 2007 Aspen, Caliber, Compass, Patriot, Nitro, Sebring, Wrangler

03001_Chrysler_r012

System Status at Retrieval

Original VIN	2C3CDXJG5CH136148
Ignition Cycle, Download	152
ACM Part Number	56054077AI
ECU Serial Number	T52MD270100632
ACM Supplier	Bosch
ECU Supply Voltage at Time of Retrieval	12.0

System Configuration at Retrieval

Configured for Driver Frontal Airbag	Yes
Configured for Driver Knee Airbag	Yes
Configured for Driver Buckle Pretensioner	Yes
Configured for Driver Retractor Pretensioner	Yes
Configured for Driver Seat Seatbelt Switch	Yes
Configured for Driver Seat Track Position Sensor	Yes
Configured for Left Side Curtain Airbag	Yes
Configured for Left Side Seat Airbag	Yes
Configured for Passenger Frontal Airbag	Yes
Configured for Passenger Buckle Pretensioner	Yes
Configured for Passenger Retractor Pretensioner	Yes
Configured for Passenger Seat Seatbelt Switch	Yes
Configured for Front Passenger Seat Track Position Sensor	Yes
Configured for Right Side Curtain Airbag	Yes
Configured for Right Side Seat Airbag	Yes
Configured for Pedestrian Protection Hood Actuators	No

System Status at Event (Most Recent Event)

Complete File Recorded	Yes
Safety Belt Status, Driver	Buckled
Safety Belt Status, Outboard Front Passenger	Buckled
Airbag Warning Lamp, On/Off	Off
Seat Track Position Switch, Foremost, Status, Driver	No
Seat Track Position Switch, Foremost, Status, Outboard Front Passenger	Yes
Maximum Delta-V Longitudinal (MPH [km/h])	-41.6 [-67]
Time, Maximum Delta-V, Longitudinal (msec)	112
Maximum Delta-V Lateral (MPH [km/h])	1.9 [3]
Time, Maximum Delta-V, Lateral (msec)	60
Time, Operation System Time (sec)	19704
Time, Airbag Warning Lamp On (min)	0
Event Number	1
Total Number of Events Recorded	1
Multi-Event, Number of Events (1,2)	1
Time from Event 1 to 2 (sec)	> 5
Operation Via Energy Reserve Only (Yes, No)	No
System Voltage at Event, Bussed (V)	12.5
Supply Voltage at Event, ECU (V)	12.6
Supply Voltage at Event, Energy reserve (V)	24.5
Temperature, Outside (deg C)	19
Event Signal Transmission, Complete (Yes, No)	Yes
Odometer at Event (km)	191.3
Ignition Cycle, Crash	150
VIN, Original	2C3CDXJG5CH136148
VIN Recorded at Event (last 8 characters)	CH136148

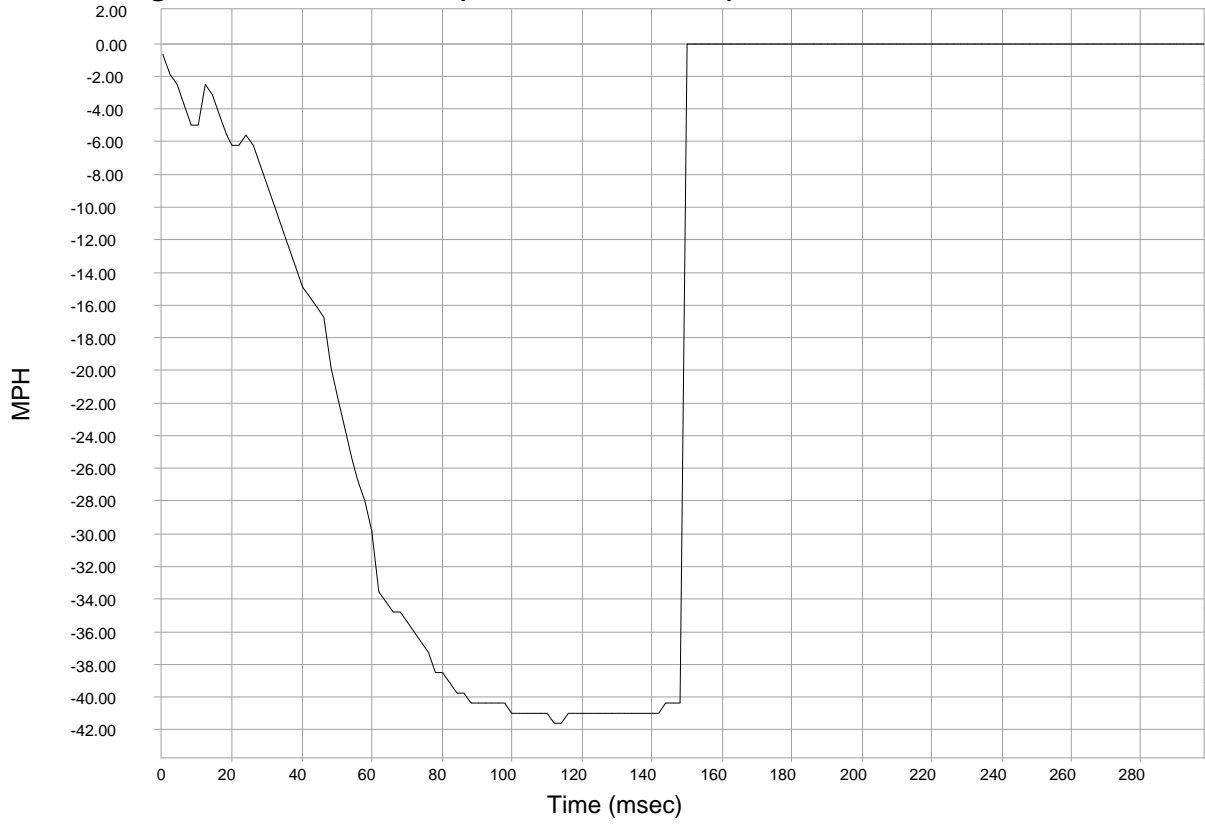
Deployment Command Data (Most Recent Event)

Frontal Airbag Deployment, 1st Stage, Driver	Yes
Frontal Airbag Deployment, 2nd Stage, Driver	Yes
Frontal Airbag Deployment, Time to First Stage Deployment, Driver (msec)	7
Frontal Airbag Deployment, Time from T0 to 2nd Stage Deployment, Driver (msec)	12
Frontal Airbag Deployment, 1st Stage, Passenger	Yes
Frontal Airbag Deployment, 2nd Stage, Passenger	Yes
Frontal Airbag Deployment, Time to First Stage Deployment, Passenger (msec)	7
Frontal Airbag Deployment, Time from T0 to 2nd Stage Deployment, Passenger (msec)	17
Knee Airbag Deployment, Driver	Yes
Buckle Pretensioner, Driver	Yes
Retractor Pretensioner, Driver	Yes
Buckle Pretensioner, Passenger	Yes
Retractor Pretensioner, Passenger	Yes
Side Seat Airbag Deployment, Left	No
Side Curtain Airbag Deployment, Left	No
Side Seat Airbag Deployment, Right	No
Side Curtain Airbag Deployment, Right	No
Pedestrian Protection Hood Actuator Deployment, Left	No
Pedestrian Protection Hood Actuator Deployment, Right	No

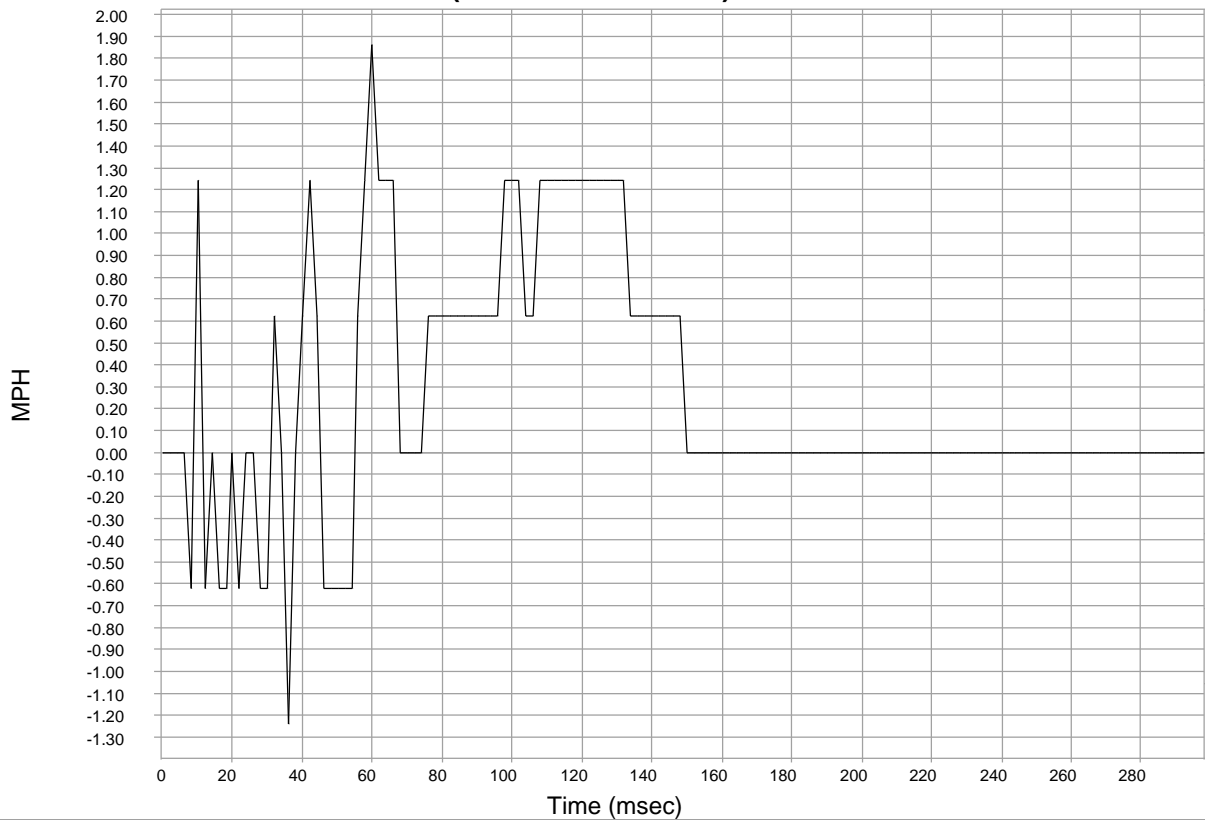
DTCs Present at Start of Event (Most Recent Event)

No DTCs Present

Longitudinal Crash Pulse (Most Recent Event)



Lateral Crash Pulse (Most Recent Event)



Longitudinal Crash Pulse (Most Recent Event)

Time (msec)	Delta-V, Longitudinal (MPH [km/h])
0	-0.6 [-1]
2	-1.9 [-3]
4	-2.5 [-4]
6	-3.7 [-6]
8	-5.0 [-8]
10	-5.0 [-8]
12	-2.5 [-4]
14	-3.1 [-5]
16	-4.3 [-7]
18	-5.6 [-9]
20	-6.2 [-10]
22	-6.2 [-10]
24	-5.6 [-9]
26	-6.2 [-10]
28	-7.5 [-12]
30	-8.7 [-14]
32	-9.9 [-16]
34	-11.2 [-18]
36	-12.4 [-20]
38	-13.7 [-22]
40	-14.9 [-24]
42	-15.5 [-25]
44	-16.2 [-26]
46	-16.8 [-27]
48	-19.9 [-32]
50	-21.7 [-35]
52	-23.6 [-38]
54	-25.5 [-41]
56	-26.7 [-43]
58	-28.0 [-45]
60	-29.8 [-48]
62	-33.6 [-54]
64	-34.2 [-55]
66	-34.8 [-56]
68	-34.8 [-56]
70	-35.4 [-57]
72	-36.0 [-58]
74	-36.7 [-59]
76	-37.3 [-60]
78	-38.5 [-62]
80	-38.5 [-62]
82	-39.1 [-63]
84	-39.8 [-64]
86	-39.8 [-64]
88	-40.4 [-65]
90	-40.4 [-65]
92	-40.4 [-65]
94	-40.4 [-65]
96	-40.4 [-65]
98	-40.4 [-65]

Time (msec)	Delta-V, Longitudinal (MPH [km/h])
100	-41.0 [-66]
102	-41.0 [-66]
104	-41.0 [-66]
106	-41.0 [-66]
108	-41.0 [-66]
110	-41.0 [-66]
112	-41.6 [-67]
114	-41.6 [-67]
116	-41.0 [-66]
118	-41.0 [-66]
120	-41.0 [-66]
122	-41.0 [-66]
124	-41.0 [-66]
126	-41.0 [-66]
128	-41.0 [-66]
130	-41.0 [-66]
132	-41.0 [-66]
134	-41.0 [-66]
136	-41.0 [-66]
138	-41.0 [-66]
140	-41.0 [-66]
142	-41.0 [-66]
144	-40.4 [-65]
146	-40.4 [-65]
148	-40.4 [-65]
150	0.0 [0]
152	0.0 [0]
154	0.0 [0]
156	0.0 [0]
158	0.0 [0]
160	0.0 [0]
162	0.0 [0]
164	0.0 [0]
166	0.0 [0]
168	0.0 [0]
170	0.0 [0]
172	0.0 [0]
174	0.0 [0]
176	0.0 [0]
178	0.0 [0]
180	0.0 [0]
182	0.0 [0]
184	0.0 [0]
186	0.0 [0]
188	0.0 [0]
190	0.0 [0]
192	0.0 [0]
194	0.0 [0]
196	0.0 [0]
198	0.0 [0]

Time (msec)	Delta-V, Longitudinal (MPH [km/h])
200	0.0 [0]
202	0.0 [0]
204	0.0 [0]
206	0.0 [0]
208	0.0 [0]
210	0.0 [0]
212	0.0 [0]
214	0.0 [0]
216	0.0 [0]
218	0.0 [0]
220	0.0 [0]
222	0.0 [0]
224	0.0 [0]
226	0.0 [0]
228	0.0 [0]
230	0.0 [0]
232	0.0 [0]
234	0.0 [0]
236	0.0 [0]
238	0.0 [0]
240	0.0 [0]
242	0.0 [0]
244	0.0 [0]
246	0.0 [0]
248	0.0 [0]
250	0.0 [0]
252	0.0 [0]
254	0.0 [0]
256	0.0 [0]
258	0.0 [0]
260	0.0 [0]
262	0.0 [0]
264	0.0 [0]
266	0.0 [0]
268	0.0 [0]
270	0.0 [0]
272	0.0 [0]
274	0.0 [0]
276	0.0 [0]
278	0.0 [0]
280	0.0 [0]
282	0.0 [0]
284	0.0 [0]
286	0.0 [0]
288	0.0 [0]
290	0.0 [0]
292	0.0 [0]
294	0.0 [0]
296	0.0 [0]
298	0.0 [0]

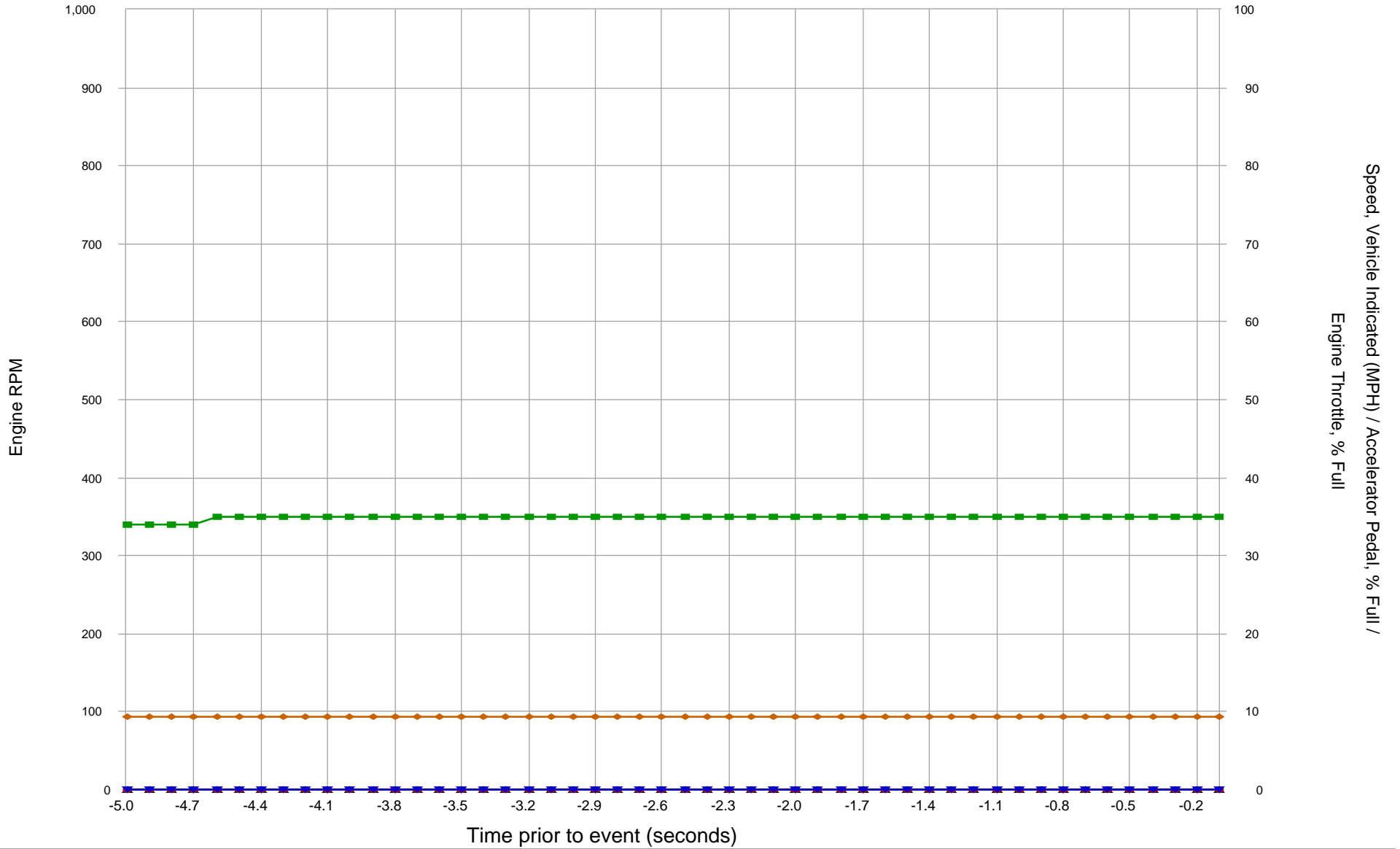
Lateral Crash Pulse (Most Recent Event)

Time (msec)	Delta-V, Lateral (MPH [km/h])
0	0.0 [0]
2	0.0 [0]
4	0.0 [0]
6	0.0 [0]
8	-0.6 [-1]
10	1.2 [2]
12	-0.6 [-1]
14	0.0 [0]
16	-0.6 [-1]
18	-0.6 [-1]
20	0.0 [0]
22	-0.6 [-1]
24	0.0 [0]
26	0.0 [0]
28	-0.6 [-1]
30	-0.6 [-1]
32	0.6 [1]
34	0.0 [0]
36	-1.2 [-2]
38	0.0 [0]
40	0.6 [1]
42	1.2 [2]
44	0.6 [1]
46	-0.6 [-1]
48	-0.6 [-1]
50	-0.6 [-1]
52	-0.6 [-1]
54	-0.6 [-1]
56	0.6 [1]
58	1.2 [2]
60	1.9 [3]
62	1.2 [2]
64	1.2 [2]
66	1.2 [2]
68	0.0 [0]
70	0.0 [0]
72	0.0 [0]
74	0.0 [0]
76	0.6 [1]
78	0.6 [1]
80	0.6 [1]
82	0.6 [1]
84	0.6 [1]
86	0.6 [1]
88	0.6 [1]
90	0.6 [1]
92	0.6 [1]
94	0.6 [1]
96	0.6 [1]
98	1.2 [2]

Time (msec)	Delta-V, Lateral (MPH [km/h])
100	1.2 [2]
102	1.2 [2]
104	0.6 [1]
106	0.6 [1]
108	1.2 [2]
110	1.2 [2]
112	1.2 [2]
114	1.2 [2]
116	1.2 [2]
118	1.2 [2]
120	1.2 [2]
122	1.2 [2]
124	1.2 [2]
126	1.2 [2]
128	1.2 [2]
130	1.2 [2]
132	1.2 [2]
134	0.6 [1]
136	0.6 [1]
138	0.6 [1]
140	0.6 [1]
142	0.6 [1]
144	0.6 [1]
146	0.6 [1]
148	0.6 [1]
150	0.0 [0]
152	0.0 [0]
154	0.0 [0]
156	0.0 [0]
158	0.0 [0]
160	0.0 [0]
162	0.0 [0]
164	0.0 [0]
166	0.0 [0]
168	0.0 [0]
170	0.0 [0]
172	0.0 [0]
174	0.0 [0]
176	0.0 [0]
178	0.0 [0]
180	0.0 [0]
182	0.0 [0]
184	0.0 [0]
186	0.0 [0]
188	0.0 [0]
190	0.0 [0]
192	0.0 [0]
194	0.0 [0]
196	0.0 [0]
198	0.0 [0]

Time (msec)	Delta-V, Lateral (MPH [km/h])
200	0.0 [0]
202	0.0 [0]
204	0.0 [0]
206	0.0 [0]
208	0.0 [0]
210	0.0 [0]
212	0.0 [0]
214	0.0 [0]
216	0.0 [0]
218	0.0 [0]
220	0.0 [0]
222	0.0 [0]
224	0.0 [0]
226	0.0 [0]
228	0.0 [0]
230	0.0 [0]
232	0.0 [0]
234	0.0 [0]
236	0.0 [0]
238	0.0 [0]
240	0.0 [0]
242	0.0 [0]
244	0.0 [0]
246	0.0 [0]
248	0.0 [0]
250	0.0 [0]
252	0.0 [0]
254	0.0 [0]
256	0.0 [0]
258	0.0 [0]
260	0.0 [0]
262	0.0 [0]
264	0.0 [0]
266	0.0 [0]
268	0.0 [0]
270	0.0 [0]
272	0.0 [0]
274	0.0 [0]
276	0.0 [0]
278	0.0 [0]
280	0.0 [0]
282	0.0 [0]
284	0.0 [0]
286	0.0 [0]
288	0.0 [0]
290	0.0 [0]
292	0.0 [0]
294	0.0 [0]
296	0.0 [0]
298	0.0 [0]

Pre-Crash Data (Most Recent Event)



▲ Engine RPM
● Service Brake (0=Off/10=On/5=SNA)
■ Speed, Vehicle Indicated (MPH)
▼ Accelerator Pedal, % Full

SNA values will not be plotted on the graph

Pre-Crash Data (Most Recent Event - table 1 of 4)

(the most recent sampled values are recorded prior to the event)

Time Stamp (sec)	Pre-Crash Recorder Status	Speed, Vehicle Indicated (MPH [km/h])	Accelerator Pedal, % Full	Engine Throttle, % Full	Service Brake (On/Off)	Engine RPM	ABS Activity	Stability Control	Steering Input (%)
-5.0	Complete	34 [55]	0	9	Off	0	No	On	0
-4.9	Complete	34 [55]	0	9	Off	0	No	On	0
-4.8	Complete	34 [55]	0	9	Off	0	No	On	0
-4.7	Complete	34 [55]	0	9	Off	0	No	On	0
-4.6	Complete	35 [56]	0	9	Off	0	No	On	0
-4.5	Complete	35 [56]	0	9	Off	0	No	On	0
-4.4	Complete	35 [56]	0	9	Off	0	No	On	0
-4.3	Complete	35 [56]	0	9	Off	0	No	On	0
-4.2	Complete	35 [56]	0	9	Off	0	No	On	0
-4.1	Complete	35 [56]	0	9	Off	0	No	On	0
-4.0	Complete	35 [56]	0	9	Off	0	No	On	0
-3.9	Complete	35 [56]	0	9	Off	0	No	On	0
-3.8	Complete	35 [56]	0	9	Off	0	No	On	0
-3.7	Complete	35 [56]	0	9	Off	0	No	On	0
-3.6	Complete	35 [56]	0	9	Off	0	No	On	0
-3.5	Complete	35 [56]	0	9	Off	0	No	On	0
-3.4	Complete	35 [56]	0	9	Off	0	No	On	0
-3.3	Complete	35 [56]	0	9	Off	0	No	On	0
-3.2	Complete	35 [56]	0	9	Off	0	No	On	0
-3.1	Complete	35 [56]	0	9	Off	0	No	On	0
-3.0	Complete	35 [56]	0	9	Off	0	No	On	0
-2.9	Complete	35 [56]	0	9	Off	0	No	On	0
-2.8	Complete	35 [56]	0	9	Off	0	No	On	0
-2.7	Complete	35 [56]	0	9	Off	0	No	On	0
-2.6	Complete	35 [56]	0	9	Off	0	No	On	0
-2.5	Complete	35 [56]	0	9	Off	0	No	On	0
-2.4	Complete	35 [56]	0	9	Off	0	No	On	0
-2.3	Complete	35 [56]	0	9	Off	0	No	On	0
-2.2	Complete	35 [56]	0	9	Off	0	No	On	0
-2.1	Complete	35 [56]	0	9	Off	0	No	On	0
-2.0	Complete	35 [56]	0	9	Off	0	No	On	0
-1.9	Complete	35 [56]	0	9	Off	0	No	On	0
-1.8	Complete	35 [56]	0	9	Off	0	No	On	0
-1.7	Complete	35 [56]	0	9	Off	0	No	On	0
-1.6	Complete	35 [56]	0	9	Off	0	No	On	0
-1.5	Complete	35 [57]	0	9	Off	0	No	On	0
-1.4	Complete	35 [56]	0	9	Off	0	No	On	0
-1.3	Complete	35 [56]	0	9	Off	0	No	On	0
-1.2	Complete	35 [56]	0	9	Off	0	No	On	0
-1.1	Complete	35 [56]	0	9	Off	0	No	On	0
-1.0	Complete	35 [56]	0	9	Off	0	No	On	0
-0.9	Complete	35 [56]	0	9	Off	0	No	On	0
-0.8	Complete	35 [56]	0	9	Off	0	No	On	0
-0.7	Complete	35 [56]	0	9	Off	0	No	On	0
-0.6	Complete	35 [56]	0	9	Off	0	No	On	0
-0.5	Complete	35 [56]	0	9	Off	0	No	On	0
-0.4	Complete	35 [56]	0	9	Off	0	No	On	0
-0.3	Complete	35 [56]	0	9	Off	0	No	On	0
-0.2	Complete	35 [56]	0	9	Off	0	No	On	0
-0.1	Complete	35 [56]	0	9	Off	0	No	On	0

Pre-Crash Data (Most Recent Event - table 2 of 4)

(the most recent sampled values are recorded prior to the event)

Time Stamp (sec)	Raw Manifold Pressure (kPa)	PCM MIL	Yaw Rate, Raw	Wheel Speed LF (RPM)	Wheel Speed RF (RPM)	Wheel Speed LR (RPM)	Wheel Speed RR (RPM)	ETC Lamp	ETC Lamp Flashing
-5.0	98	On	0	404	403	403	404	No	No
-4.9	98	On	0	405	405	405	406	No	No
-4.8	98	On	0	407	407	408	408	No	No
-4.7	98	On	0	411	409	410	408	No	No
-4.6	98	On	0	411	411	410	412	No	No
-4.5	98	On	0	411	412	412	413	No	No
-4.4	98	On	0	414	415	415	413	No	No
-4.3	98	On	0	413	414	414	415	No	No
-4.2	98	On	0	413	415	414	414	No	No
-4.1	98	On	0	418	417	417	415	No	No
-4.0	98	On	0	417	415	416	417	No	No
-3.9	98	On	0	416	417	414	415	No	No
-3.8	98	On	0	419	417	419	416	No	No
-3.7	98	On	-1	419	415	418	414	No	No
-3.6	98	On	-1	417	417	415	416	No	No
-3.5	98	On	0	415	417	417	417	No	No
-3.4	98	On	0	416	415	417	415	No	No
-3.3	98	On	0	415	417	414	417	No	No
-3.2	98	On	0	415	417	416	416	No	No
-3.1	98	On	0	417	415	416	413	No	No
-3.0	98	On	0	415	414	415	416	No	No
-2.9	98	On	0	415	416	416	414	No	No
-2.8	98	On	0	416	415	416	415	No	No
-2.7	98	On	0	415	414	414	414	No	No
-2.6	98	On	0	416	416	417	416	No	No
-2.5	98	On	0	419	423	414	415	No	No
-2.4	98	On	0	413	414	414	412	No	No
-2.3	98	On	0	413	412	413	411	No	No
-2.2	98	On	0	413	415	414	414	No	No
-2.1	98	On	0	416	414	416	413	No	No
-2.0	98	On	0	416	414	416	417	No	No
-1.9	98	On	0	415	417	415	414	No	No
-1.8	98	On	0	419	417	417	414	No	No
-1.7	98	On	0	416	417	416	418	No	No
-1.6	98	On	0	417	417	416	417	No	No
-1.5	98	On	0	419	419	420	417	No	No
-1.4	98	On	0	418	418	416	417	No	No
-1.3	98	On	0	416	417	417	415	No	No
-1.2	98	On	0	416	417	416	416	No	No
-1.1	98	On	0	417	415	417	415	No	No
-1.0	98	On	0	415	414	415	417	No	No
-0.9	98	On	0	415	417	414	415	No	No
-0.8	98	On	0	416	414	416	414	No	No
-0.7	98	On	0	415	415	413	414	No	No
-0.6	98	On	0	414	418	414	415	No	No
-0.5	98	On	0	418	413	417	414	No	No
-0.4	98	On	0	415	415	413	416	No	No
-0.3	98	On	0	416	415	415	414	No	No
-0.2	98	On	0	418	415	417	415	No	No
-0.1	98	On	0	416	416	415	415	No	No

Pre-Crash Data (Most Recent Event - table 3 of 4)

(the most recent sampled values are recorded prior to the event)

Time Stamp (sec)	PRNDL Status	Reverse Gear (Manual Only)	Tire Pressure Monitor Indicator Lamp	Tire Pressure Status, LF	Tire Pressure Status, RF	Tire Pressure Status, LR	Tire Pressure Status, RR
-5.0	Neutral	No	Off	Normal	Normal	Normal	Normal
-4.9	Neutral	No	Off	Normal	Normal	Normal	Normal
-4.8	Neutral	No	Off	Normal	Normal	Normal	Normal
-4.7	Neutral	No	Off	Normal	Normal	Normal	Normal
-4.6	Neutral	No	Off	Normal	Normal	Normal	Normal
-4.5	Neutral	No	Off	Normal	Normal	Normal	Normal
-4.4	Neutral	No	Off	Normal	Normal	Normal	Normal
-4.3	Neutral	No	Off	Normal	Normal	Normal	Normal
-4.2	Neutral	No	Off	Normal	Normal	Normal	Normal
-4.1	Neutral	No	Off	Normal	Normal	Normal	Normal
-4.0	Neutral	No	Off	Normal	Normal	Normal	Normal
-3.9	Neutral	No	Off	Normal	Normal	Normal	Normal
-3.8	Neutral	No	Off	Normal	Normal	Normal	Normal
-3.7	Neutral	No	Off	Normal	Normal	Normal	Normal
-3.6	Neutral	No	Off	Normal	Normal	Normal	Normal
-3.5	Neutral	No	Off	Normal	Normal	Normal	Normal
-3.4	Neutral	No	Off	Normal	Normal	Normal	Normal
-3.3	Neutral	No	Off	Normal	Normal	Normal	Normal
-3.2	Neutral	No	Off	Normal	Normal	Normal	Normal
-3.1	Neutral	No	Off	Normal	Normal	Normal	Normal
-3.0	Neutral	No	Off	Normal	Normal	Normal	Normal
-2.9	Neutral	No	Off	Normal	Normal	Normal	Normal
-2.8	Neutral	No	Off	Normal	Normal	Normal	Normal
-2.7	Neutral	No	Off	Normal	Normal	Normal	Normal
-2.6	Neutral	No	Off	Normal	Normal	Normal	Normal
-2.5	Neutral	No	Off	Normal	Normal	Normal	Normal
-2.4	Neutral	No	Off	Normal	Normal	Normal	Normal
-2.3	Neutral	No	Off	Normal	Normal	Normal	Normal
-2.2	Neutral	No	Off	Normal	Normal	Normal	Normal
-2.1	Neutral	No	Off	Normal	Normal	Normal	Normal
-2.0	Neutral	No	Off	Normal	Normal	Normal	Normal
-1.9	Neutral	No	Off	Normal	Normal	Normal	Normal
-1.8	Neutral	No	Off	Normal	Normal	Normal	Normal
-1.7	Neutral	No	Off	Normal	Normal	Normal	Normal
-1.6	Neutral	No	Off	Normal	Normal	Normal	Normal
-1.5	Neutral	No	Off	Normal	Normal	Normal	Normal
-1.4	Neutral	No	Off	Normal	Normal	Normal	Normal
-1.3	Neutral	No	Off	Normal	Normal	Normal	Normal
-1.2	Neutral	No	Off	Normal	Normal	Normal	Normal
-1.1	Neutral	No	Off	Normal	Normal	Normal	Normal
-1.0	Neutral	No	Off	Normal	Normal	Normal	Normal
-0.9	Neutral	No	Off	Normal	Normal	Normal	Normal
-0.8	Neutral	No	Off	Normal	Normal	Normal	Normal
-0.7	Neutral	No	Off	Normal	Normal	Normal	Normal
-0.6	Neutral	No	Off	Normal	Normal	Normal	Normal
-0.5	Neutral	No	Off	Normal	Normal	Normal	Normal
-0.4	Neutral	No	Off	Normal	Normal	Normal	Normal
-0.3	Neutral	No	Off	Normal	Normal	Normal	Normal
-0.2	Neutral	No	Off	Normal	Normal	Normal	Normal
-0.1	Neutral	No	Off	Normal	Normal	Normal	Normal

Pre-Crash Data (Most Recent Event - table 4 of 4)

(the most recent sampled values are recorded prior to the event)

Time Stamp (sec)	Tire Pressure, LF	Tire Pressure, RF	Tire Pressure, LR	Tire Pressure, RR	Cruise Control System (if equip.)	Cruise Control Active (if equip.)
-5.0	33	33	33	33	Off	No
-4.9	33	33	33	33	Off	No
-4.8	33	33	33	33	Off	No
-4.7	33	33	33	33	Off	No
-4.6	33	33	33	33	Off	No
-4.5	33	33	33	33	Off	No
-4.4	33	33	33	33	Off	No
-4.3	33	33	33	33	Off	No
-4.2	33	33	33	33	Off	No
-4.1	33	33	33	33	Off	No
-4.0	33	33	33	33	Off	No
-3.9	33	33	33	33	Off	No
-3.8	33	33	33	33	Off	No
-3.7	33	33	33	33	Off	No
-3.6	33	33	33	33	Off	No
-3.5	33	33	33	33	Off	No
-3.4	33	33	33	33	Off	No
-3.3	33	33	33	33	Off	No
-3.2	33	33	33	33	Off	No
-3.1	33	33	33	33	Off	No
-3.0	33	33	33	33	Off	No
-2.9	33	33	33	33	Off	No
-2.8	33	33	33	33	Off	No
-2.7	33	33	33	33	Off	No
-2.6	33	33	33	33	Off	No
-2.5	33	33	33	33	Off	No
-2.4	33	33	33	33	Off	No
-2.3	33	33	33	33	Off	No
-2.2	33	33	33	33	Off	No
-2.1	33	34	33	33	Off	No
-2.0	33	34	33	33	Off	No
-1.9	33	34	33	33	Off	No
-1.8	33	34	33	33	Off	No
-1.7	33	34	33	33	Off	No
-1.6	33	34	33	33	Off	No
-1.5	33	34	33	33	Off	No
-1.4	33	34	33	33	Off	No
-1.3	33	34	33	33	Off	No
-1.2	33	34	33	33	Off	No
-1.1	33	34	33	33	Off	No
-1.0	33	34	33	33	Off	No
-0.9	33	34	33	33	Off	No
-0.8	33	34	33	33	Off	No
-0.7	33	34	33	33	Off	No
-0.6	33	34	33	33	Off	No
-0.5	33	34	33	33	Off	No
-0.4	33	34	33	33	Off	No
-0.3	33	34	33	33	Off	No
-0.2	33	34	33	33	Off	No
-0.1	33	34	33	33	Off	No

00 00 1C 38 08 00 02 20 00 00 21 22 21 21 FF 22 80 77 80 80 81 75 75 80 80 00 00 10 00 00
FF 00 00 00 00 00 00 00 00 00

71 01 03 01 01 0E CC 00 00 00 00 03 42 03 47 03 45 03 45 80 0D 00 00 00 00 00 2B D5 16 0B
7A 12 00 00 01 00 00 00 00 00 00 00 00 0F FE 00 0F 1F FF 00 FF 60 03 FF FF 78 FF FF 00
00 00 1C 46 08 00 02 20 00 00 21 22 21 21 FF 22 80 77 81 7F 81 75 75 80 80 00 00 10 00 00
FF 00 00 00 00 00 00 00 00 00

71 01 03 01 01 0F CC 00 00 00 00 03 42 03 40 03 42 03 42 80 08 00 00 00 00 00 2B D5 16 0B
7A 12 00 00 01 00 00 00 00 00 00 00 00 0F FD 00 0F 1F FF 00 FF 60 03 FF FF 78 FF FF 00
00 00 1C 3A 08 00 02 20 00 00 21 22 21 21 FF 22 80 77 81 81 81 75 75 80 80 00 00 10 00 00
FF 00 00 00 00 00 00 00 00 00

71 01 03 01 01 10 CC 00 00 00 00 03 44 03 40 03 40 03 41 80 05 00 00 00 00 00 2B D5 16 0B
7A 12 00 00 01 00 00 00 00 00 00 00 00 0F FD 00 0F 1F FF 00 FF 60 03 FF FF 78 FF FF 00
00 00 1C 35 08 00 02 20 00 00 21 22 21 21 FF 22 80 77 81 80 81 75 75 80 80 00 00 10 00 00
FF 00 00 00 00 00 00 00 00 00

71 01 03 01 01 11 CC 00 00 00 00 03 3C 03 42 03 45 03 41 7F D3 00 00 00 00 00 2B D5 16 0B
7A 12 00 00 01 00 00 00 00 00 00 00 00 0F FD 00 0F 1F FF 00 FF 60 03 FF FF 78 FF FF 00
00 00 1C 2E 08 00 02 20 00 00 21 22 21 21 FF 22 80 77 81 80 81 75 75 80 80 00 00 10 00 00
FF 00 00 00 00 00 00 00 00 00

71 01 03 01 01 12 CC 00 00 00 00 03 3C 03 3E 03 3D 03 41 7F FB 00 00 00 00 00 2B D5 16 0B
7A 12 00 00 01 00 00 00 00 00 00 00 00 0F FE 00 0F 1F FF 00 FF 60 03 FF FF 78 FF FF 00
00 00 1C 33 08 00 02 20 00 00 21 22 21 21 FF 22 80 77 81 7E 81 75 75 80 80 00 00 10 00 00
FF 00 00 00 00 00 00 00 00 00

71 01 03 01 01 13 CC 00 00 00 00 03 41 03 40 03 3F 03 3C 7F E9 00 00 00 00 00 2B D5 16 00
7A 12 00 00 01 00 00 00 00 00 00 00 00 0F FE 00 0F 1F FF 00 FF 60 03 FF FF 78 FF FF 00
00 00 1C 17 08 00 02 20 00 00 21 22 21 21 FF 22 80 77 82 7D 81 75 75 80 80 00 00 10 00 00
FF 00 00 00 00 00 00 00 00 00

71 01 03 01 01 14 CC 00 00 00 00 03 3A 03 3F 03 3F 03 3C 80 05 00 00 00 00 00 2B D5 16 0B
7A 12 00 00 01 00 00 00 00 00 00 00 00 0F FE 00 0F 1F FF 00 FF 60 03 FF FF 78 FF FF 00
00 00 1C 05 08 00 02 20 00 00 21 22 21 21 FF 22 80 77 82 7F 81 75 75 80 80 00 00 10 05 00
FF 00 00 00 00 00 00 00 00 00

71 01 03 01 01 15 CC 00 00 00 00 03 3B 03 3C 03 3A 03 3D 80 14 00 00 00 00 00 2B D5 16 0B
7A 12 00 00 01 00 00 00 00 00 00 00 00 0F FE 00 0F 1F FF 00 FF 60 03 FF FF 78 FF FF 00
00 00 1C 1A 08 00 02 20 00 00 21 21 21 21 FF 22 80 77 81 83 81 75 75 80 80 00 00 10 05 00
FF 00 00 00 00 00 00 00 00 00

71 01 03 01 01 16 CC 00 00 00 00 03 35 03 3A 03 39 03 38 80 1C 00 00 00 00 00 2B D5 16 0B
7A 12 00 00 01 00 00 00 00 00 00 00 00 0F FD 00 0F 1F FF 00 FF 60 03 FF FF 78 FF FF 00
00 00 1B E3 08 00 02 20 00 00 21 21 21 21 FF 22 80 77 80 82 81 75 75 80 80 00 00 10 00 00
FF 00 00 00 00 00 00 00 00 00

71 01 03 01 01 17 CC 00 00 00 00 03 37 03 3C 03 39 03 3C 80 3A 00 00 00 00 00 2B D5 16 0B
7A 12 00 00 01 00 00 00 00 00 00 00 00 0F FD 00 0F 1F FF 00 FF 60 03 FF FF 78 FF FF 00
00 00 1C 00 08 00 02 20 00 00 21 21 21 21 FF 22 80 77 7E 84 81 75 75 80 80 00 00 10 00 00
FF 00 00 00 00 00 00 00 00 00

71 01 03 01 01 18 CC 00 00 00 00 03 3E 03 3B 03 46 03 4E 80 23 00 00 00 00 00 2B D5 16 0B
7A 12 00 00 01 00 00 00 00 00 00 00 00 0F FD 00 0F 1F FF 00 FF 60 03 FF FF 78 FF FF 00
00 00 1C 23 08 00 02 20 00 00 21 21 21 21 FF 22 80 77 7E 84 81 75 75 80 80 00 00 10 00 00
FF 00 00 00 00 00 00 00 00 00

71 01 03 01 01 19 CC 00 00 00 00 03 3F 03 41 03 40 03 40 80 07 00 00 00 00 00 2B D5 16 0B
7A 12 00 00 01 00 00 00 00 00 00 00 00 0F FD 00 0F 1F FF 00 FF 60 03 FF FF 78 FF FF 00
00 00 1C 14 08 00 02 20 00 00 21 21 21 21 FF 22 80 77 80 82 81 75 75 80 80 00 00 10 00 00
FF 00 00 00 00 00 00 00 00 00

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7A 12 00 00 01 00 00 00 00 00 00 00 00 0F FD 00 0F 1F FF 00 FF 60 03 FF FF 78 FF FF 00

00 00 1C 0F 08 00 02 20 00 00 21 21 21 21 FF 22 80 77 80 81 81 75 75 80 80 00 00 10 00 00
FF 00 00 00 00 00 00 00 00 00

71 01 03 01 01 1B CC 00 00 00 00 03 3D 03 40 03 3F 03 3E 7F FF 00 00 00 00 00 2B D5 16 0B
7A 12 00 00 01 00 00 00 00 00 00 00 00 0F FD 00 0F 1F FF 00 FF 60 03 FF FF 78 FF FF 00
00 00 1C 18 08 00 02 20 00 00 21 21 21 21 FF 22 80 77 80 80 81 75 75 80 80 00 00 10 00 00
FF 00 00 00 00 00 00 00 00 00

71 01 03 01 01 1C CC 00 00 00 00 03 3B 03 40 03 3E 03 3F 7F E7 00 00 00 00 00 2B D5 16 0B
7A 12 00 00 01 00 00 00 00 00 00 00 00 0F FD 00 0F 1F FF 00 FF 60 03 FF FF 78 FF FF 00
00 00 1C 1A 08 00 02 20 00 00 21 21 21 21 FF 22 80 77 80 7E 81 75 75 80 80 00 00 10 00 00
FF 00 00 00 00 00 00 00 00 00

71 01 03 01 01 1D CC 00 00 00 00 03 3F 03 3E 03 3D 03 3C 7F DA 00 00 00 00 00 2B D5 16 0B
7A 12 00 00 01 00 00 00 00 00 00 00 00 0F FD 00 0F 1F FF 00 FF 60 03 FF FF 78 FF FF 00
00 00 1C 18 08 00 02 20 00 00 21 21 21 21 FF 22 80 77 80 80 81 75 75 80 80 00 00 10 00 00
FF 00 00 00 00 00 00 00 00 00

71 01 03 01 01 1E CC 00 00 00 00 03 39 03 40 03 41 03 3E 80 1B 00 00 00 00 00 2B D5 16 0B
7A 12 00 00 01 00 00 00 00 00 00 00 00 0F FD 00 0F 1F FF 00 FF 60 03 FF FF 78 FF FF 00
00 00 1C 1A 08 00 02 20 00 00 21 21 21 21 FF 22 80 77 80 82 81 75 75 80 80 00 00 10 00 00
FF 00 00 00 00 00 00 00 00 00

71 01 03 01 01 1F CC 00 00 00 00 03 40 03 3F 03 3D 03 41 80 4B 00 00 00 00 00 2B D5 16 0B
7A 12 00 00 01 00 00 00 00 00 00 00 00 0F FD 00 0F 1F FF 00 FF 60 03 FF FF 78 FF FF 00
00 00 1C 2E 08 00 02 20 00 00 21 21 21 21 FF 22 80 77 80 86 81 75 75 80 80 00 00 10 00 00
FF 00 00 00 00 00 00 00 00 00

71 01 03 01 01 20 CC 00 00 00 00 03 42 03 3C 03 3D 03 41 80 3E 00 00 00 00 00 2B D5 16 0B
7A 12 00 00 01 00 00 00 00 00 00 00 00 0F FD 00 0F 1F FF 00 FF 60 03 FF FF 78 FF FF 00
00 00 1C 1C 08 00 02 20 00 00 21 21 21 21 FF 22 80 77 7F 87 81 75 75 80 80 00 00 10 00 00
FF 00 00 00 00 00 00 00 00 00

71 01 03 01 01 21 CC 00 00 00 00 03 3E 03 41 03 40 03 3E 80 24 00 00 00 00 00 2B D5 16 0B
7A 12 00 00 01 00 00 00 00 00 00 00 00 0F FD 00 0F 1F FF 00 FF 60 03 FF FF 78 FF FF 00
00 00 1C 2A 08 00 02 20 00 00 21 21 21 21 FF 22 80 77 80 83 81 75 75 80 80 00 00 10 00 00
FF 00 00 00 00 00 00 00 00 00

71 01 03 01 01 22 CC 00 00 00 00 03 41 03 41 03 3E 03 42 80 04 00 00 00 00 00 2B D5 16 0B
7A 12 00 00 01 00 00 00 00 00 00 00 00 0F FD 00 0F 1F FF 00 FF 60 03 FF FF 78 FF FF 00
00 00 1C 2B 08 00 02 20 00 00 21 21 21 21 FF 22 80 77 80 7F 81 75 75 80 80 00 00 10 00 00
FF 00 00 00 00 00 00 00 00 00

71 01 03 01 01 23 CC 00 00 00 00 03 3F 03 3E 03 41 03 41 7F 81 00 00 00 00 00 2B D5 16 0B
7A 12 00 00 01 00 00 00 00 00 00 00 00 0F FD 00 0F 1F FF 00 FF 60 03 FF FF 78 FF FF 00
00 00 1C 26 08 00 02 20 00 00 21 21 21 21 FF 22 80 77 80 78 81 75 75 80 80 00 00 10 00 00
FF 00 00 00 00 00 00 00 00 00

71 01 03 01 01 24 CC 00 00 00 00 03 3C 03 44 03 45 03 3E 7F 5A 00 00 00 00 00 2B D5 16 00
7A 12 00 00 01 00 00 00 00 00 00 00 00 0F FD 00 0F 1F FF 00 FF 60 03 FF FF 78 FF FF 00
00 00 1C 39 08 00 02 20 00 00 21 21 21 21 FF 22 80 77 80 7D 81 75 75 80 80 00 00 10 00 00
FF 00 00 00 00 00 00 00 00 00

71 01 03 01 01 25 CC 00 00 00 00 03 40 03 45 03 45 03 41 7F D5 00 00 00 00 00 2B D5 16 0B
7A 12 00 00 01 00 00 00 00 00 00 00 00 0F FD 00 0F 1F FF 00 FF 60 03 FF FF 78 FF FF 00
00 00 1C 2F 08 00 02 20 00 00 21 21 21 21 FF 22 80 77 80 7F 81 75 75 80 80 00 00 10 00 00
FF 00 00 00 00 00 00 00 00 00

71 01 03 01 01 26 CC 00 00 00 00 03 3E 03 3C 03 3F 03 41 80 20 00 00 00 00 00 2B D5 16 0B
7A 12 00 00 01 00 00 00 00 00 00 00 00 0F FD 00 0F 1F FF 00 FF 60 03 FF FF 78 FF FF 00
00 00 1C 2E 08 00 02 20 00 00 21 21 21 21 FF 22 80 77 81 83 81 75 75 80 80 00 00 10 00 00
FF 00 00 00 00 00 00 00 00 00

71 01 03 01 01 27 CC 00 00 00 00 03 41 03 3F 03 41 03 3E 80 60 00 00 00 00 00 2B D5 16 0B
7A 12 00 00 01 00 00 00 00 00 00 00 00 0F FD 00 0F 1F FF 00 FF 60 03 FF FF 78 FF FF 00

00 00 1C 2F 08 00 02 20 00 00 21 21 21 21 FF 22 80 77 81 86 81 75 75 80 80 00 00 10 00 00
FF 00 00 00 00 00 00 00 00 00

71 01 03 01 01 28 CC 00 00 00 00 03 3D 03 41 03 44 03 41 80 31 00 00 00 00 00 2B D5 16 0B
7A 12 00 00 01 00 00 00 00 00 00 00 00 0F FD 00 0F 1F FF 00 FF 60 03 FF FF 78 FF FF 00
00 00 1C 20 08 00 02 20 00 00 21 21 21 21 FF 22 80 77 82 83 81 75 75 80 80 00 00 10 00 00
FF 00 00 00 00 00 00 00 00 00

71 01 03 01 01 29 CC 00 00 00 00 03 3C 03 3C 03 3A 03 3E 80 2B 00 00 00 00 00 2B D5 16 0B
7A 12 00 00 01 00 00 00 00 00 00 00 00 0F FD 00 0F 1F FF 00 FF 60 03 FF FF 78 FF FF 00
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71 01 03 01 01 30 CC 00 00 00 00 03 2B 03 29 03 2A 03 2A 80 0E 00 00 00 00 00 2B D5 16 0B
7A 12 00 00 01 00 00 00 00 00 00 00 00 0F FD 00 0F 1F FF 00 FF 60 03 FF FF 78 FF FF 00
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71 01 03 01 01 31 CC 00 00 00 00 03 27 03 26 03 28 03 26 80 09 00 00 00 00 00 2B D5 16 0B
7A 12 00 00 01 00 00 00 00 00 00 00 00 0F FD 00 0F 1F FF 00 FF 60 03 FF FF 78 FF FF 00
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59 02 99 D4 15 00 89 A1 DD 16 09 80 04 13 89 D1 10 00 89 80 11 13 89 80 7E 13 89 80 7F 13
89 80 72 13 89 80 95 87 89 80 70 13 89 80 02 13 89 80 01 13 89 80 97 87 89 80 92 87 89 80
9D 87 89 80 9A 87 89 80 96 87 89 80 91 87 89 80 90 87 89 80 52 13 89 80 50 13 89 80 C5 13
89 80 B5 13 89 A7 34 12 09

59 06 D4 15 00 89 01 00 00 0B 00 0B 01 00 02 00 06 00 00 D7 0B FF FF FF FF
59 06 A1 DD 16 09 01 00 00 0B 00 0B 02 00 02 01 22 00 00 93 CD FF FF FF FF
59 06 80 04 13 89 01 00 00 0B 00 0B 01 00 02 02 48 00 00 4D 03 FF FF FF FF
59 06 D1 10 00 89 01 00 00 0B 00 0B 01 00 02 02 48 00 00 4C FD FF FF FF FF
59 06 80 11 13 89 01 00 00 0B 00 0B 01 00 02 02 48 00 00 4C FC FF FF FF FF
59 06 80 7E 13 89 01 00 00 0B 00 0B 01 00 02 02 48 00 00 4C FC FF FF FF FF
59 06 80 7F 13 89 01 00 00 0B 00 0B 01 00 02 02 48 00 00 4C FB FF FF FF FF
59 06 80 72 13 89 01 00 00 0B 00 0B 01 00 02 02 48 00 00 4C FB FF FF FF FF
59 06 80 95 87 89 01 00 00 0B 00 0B 01 00 02 02 48 00 00 4C FB FF FF FF FF
59 06 80 70 13 89 01 00 00 0B 00 0B 01 00 02 02 48 00 00 4C FB FF FF FF FF
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59 06 80 01 13 89 01 00 00 0B 00 0B 01 00 02 02 48 00 00 4C FB FF FF FF FF
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59 06 80 96 87 89 01 00 FF FF FF FF 01 00 02 00 04 00 00 D7 BC FF FF FF FF
59 06 80 91 87 89 01 00 FF FF FF FF 01 00 02 00 04 00 00 D7 BC FF FF FF FF
59 06 80 90 87 89 01 00 FF FF FF FF 01 00 02 00 04 00 00 D7 BC FF FF FF FF
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59 06 80 C5 13 89 01 00 FF FF FF FF 01 00 02 00 04 00 00 D7 BC FF FF FF FF

59 06 80 B5 13 89 01 00 FF FF FF FF 01 00 02 00 04 00 00 D7 BC FF FF FF FF

59 06 A7 34 12 09 01 00 FF FF FF FF 01 00 02 00 04 00 00 D7 BB FF FF FF FF

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