



VEHICLE FACTORS GROUP

FACTUAL REPORT ATTACHMENT

2018 Dodge Challenger – Event data recorder image

North Las Vegas, NV

HWY22FH004

(46 pages)

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	2C3CDZAG6JH [REDACTED]
User	[REDACTED]
Case Number	2201290001725
EDR Data Imaging Date	01/30/2022
Crash Date	01/29/2022
Filename	2C3CDZAG6JH [REDACTED].ACM.CDRX
Saved on	Sunday, January 30 2022 at 11:15:44
Imaged with CDR version	Crash Data Retrieval Tool 21.4
Imaged with Software Licensed to (Company Name)	North Las Vegas Police Department
Reported with CDR version	Crash Data Retrieval Tool 21.4
Reported with Software Licensed to (Company Name)	North Las Vegas Police Department
EDR Device Type	Airbag Control Module
Event(s) recovered	Most Recent Event, Deployment 1st Prior Event, Deployment

Comments

No comments entered.

Data Limitations

AIRBAG CONTROL MODULE (ACM) DATA LIMITATIONS:

GENERAL INFORMATION:

CAUTION: During direct-to-module imaging where the Airbag Control Module (ACM) is disconnected and removed from a vehicle, make sure the ACM is not moved, tilted or turned over while connected to and powered by the CDR Interface Module (with appropriate adaptors in place, where required). 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 direct-to-module imaging may cause new events to be recorded in the ACM.

- For additional definitions, please refer to the CDR Help File Glossary.
- 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 Tool during the imaging process.
- If a DLC adapter has to be used with the CDR Tool, the "Read VIN from Vehicle" feature in the CDR Tool will not work. The VIN will have to be manually entered.
- If a 2021 or later MY Dodge Durango was imaged with a CDR Tool version 19.4 or older, the ACM will need to be reimaged as not all the peripheral sensor data will have been retrieved.
- The 2019 MY RAM 1500 may take up to 30 minutes to retrieve the EDR data. The ignition will time out within 20 minutes so the vehicle flashers must be turned on within 20 minutes to keep the ignition and communication bus active.
- Lateral Delta V will not be displayed for the 2013 MY Jeep Compass and Patriot.
- Ignition Cycle, download/crash
 - For RAMs and Dodge Vipers, there are 2 internal ignition counters in the ACM. It is possible for the ignition cycles at download to be different than the ignition cycles at event due to the 2 different counters.
 - Note that the ignition cycle count in an ACM may differ from the ignition cycle count in a Pedestrian Protection Module (PPM) in the same vehicle due to the fact that the ACM has an energy reserve while the PPM does not.

The following table provides an explanation of the sign notation for data elements that may be included in this CDR report. All directional references to sign notation are from the perspective of the driver when seated in the vehicle facing the direction of forward vehicle travel.

Data Element Name	Positive Sign Notation Indicates
Delta-V, Longitudinal	Forward
Maximum Delta-V, Longitudinal	Forward
Delta-V, Lateral	Left to Right
Maximum Delta-V, Lateral	Left to Right
Angular Rate	Clockwise rotation around the longitudinal axis
Peripheral Sensors, X and Y	Outside to Inside

Pressure Sensors	Compression of air
Internal Y Acceleration	Left to Right
Low-g Z Acceleration	Downward
Steering Input	Steering wheel turned counter clockwise
Yaw Rate	Counter clockwise rotation

CDR FILE INFORMATION:

- An event will be stored when the delta V is approximately 5 mph (8 km/h) or greater within a 150 ms interval.
- For non-NAFTA ACMs that control pedestrian protection devices, a non-deployment event will be stored when the pedestrian protection devices are activated.
- A non-deployment event may be stored with activation of the Active Head Restraints. See AHR explanation under System Configuration at Retrieval/Event section.
- A deployment event may be stored in a 2019 MY+ Ram 3500 as the result of a rear impact, even though the Ram 3500 does not deploy any restraint system devices in a rear impact.

Event(s) Recovered definitions:

- None - There are no stored events in the ACM
- Not Retrievable - Event Data may be stored in the ACM but is not retrievable by the CDR Tool.
- 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.
- For 2013 and 2014 MY Dodge Journey and Fiat Freemont:
 - 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)
- For TRW modules:
 - If there is a side impact, two EDR events may be stored for the one side impact event. The second event may be recorded due to the Lateral Delta V exceeding 5 mph (8 km/h) within a 150 ms interval after the side deployment occurred.
- For some Fiat vehicles:
 - Two EDR events may be stored for one impact event. The second event may be recorded due to the deployment of the frontal airbag, 3rd stage passenger.
- During an event, if power to the ACM is lost, all or part of the event data record may not be recorded. An indication may be observed in the recorded data under this condition: The restraint data is recorded first and then the vehicle data.
 - "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 Pre-Crash Recorder Status.
- For the 2021MY Jeep Grand Cherokee L, an event may be displayed in the "Event(s) Recovered" section of the report as "End of Line Test event - See Data Limitations". This event is an End of Line test event from the module manufacturing process which will be included in the count for the total number of events, but no data will be displayed in the CDR Report.

SYSTEM STATUS AT RETRIEVAL:

- Original VIN - 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 changed.

SYSTEM CONFIGURATION AT RETRIEVAL/EVENT:

- The System Configuration data tables indicate the components that the ACM for a particular vehicle monitors and/or controls.
- Active Head Restraint (AHR) - This refers to some active head restraint systems that are electronically controlled by the ACM. AHRs may activate but not store an EDR Record if the delta V does not exceed the minimum delta V threshold. It is possible that the AHRs may activate after the EDR record has been stored and written, based on achieving the minimum delta V. This condition will result in an EDR but no record of the AHR activation in the CDR report. Activation of only the AHRs, if stored, will be a non-deployment event.

SYSTEM STATUS AT EVENT:

- Frontal Airbag Warning Lamp - In Veoneer modules, the airbag warning lamp may indicate ON at the time of a most recent event without any DTCs present if a deployment event has already occurred in the same ignition cycle. The ABWL will come on due to the deployment but, as there are still algorithms processing data, the actual faults will not be qualified yet and will not show up as DTCs.
- Number, Total Events - Cumulative number of events that the ACM has recorded, including those non-deployment events that have been overwritten by a subsequent event.
 - For the 2021MY Jeep Grand Cherokee L, the module will contain one, two, or three End of Line test events from the module manufacturing process which will be included in the count for the total number of events. However, the data from these End of Line test events will not be displayed in the CDR Report.

- Occupant Size Classification, Outboard Front Passenger - "Child" status may be used to indicate anything weighing less than a 5th percentile female adult crash dummy, including an empty seat; "Not Child" indicates anything weighing the same as or more than a 5th percentile female adult crash dummy. "SNA" indicates undetermined;
 - For some non-North American applications, "Empty" indicates an empty seat;
- Odometer at Event - Vehicle odometer at the time of the event
 - For 2014-2016 MY Fiat 500L, the odometer value in miles may be shown in the brackets, labeled as kilometers. If this is the case, the non-bracketed value is not valid.
- Operation via Energy Reserve Only - "Yes" indicates that the ACM had lost power at or before T0 and was only operating on energy reserve at T0.
- Safety Belt Status, Outboard Front Passenger - For vehicles sold outside of North America which do not contain a buckle switch for the outboard front passenger, the safety belt status, outboard front passenger will default to "not buckled/unbuckled".
- System Voltage at Event, ACM - Voltage at the ACM as measured by the ACM. This voltage may be approximately 0.7V (one diode drop) below the bused voltage.
- System Voltage at Event, Bused - Voltage of the vehicle system, communicated on the communication bus to other electronic modules in the vehicle.
- Temperature, Outside - Ambient Air Temperature.
- Time, Airbag Warning Lamp On - This is a cumulative time. It indicates the total amount of time that the ACM has requested the Airbag Warning Lamp be turned on.
 - This time does not include the warning lamp bulb check time, which occurs at every ignition cycle
 - For 2013 MY Minivans and new 2017+ MY Jeep Compass, this time is only cumulative for the past 10 ignition cycles.
- Time from event 1 to 2 -
 - If only one event is stored, either a value of 0 or >5 may be displayed for this data element.
 - For the 2018+ MY Promaster and 2019+ MY RAM 1500, a value of 0 may be displayed for the first event or for events >5 seconds apart.
 - If multiple events exist in the EDR, the time from event 1 to event 2 is defined as:
 - For Bosch and TRW modules, the time from the prior recorded event (even if it has been overwritten) to the current recorded event.
 - For Continental modules, the time from the prior existing recorded event (as long as it is still displayed in the CDR report) to the current recorded event. If the prior event in a multi-event condition is overwritten by a subsequent event, the multi-event status will no longer be displayed.
 - For the 2019+ MY RAM 1500, the time from event 1 to 2 may utilize a non-stored event as event 1. In this case, the total number of events and multi-event data elements will not include the non-stored event in the number of events. However, the time from event 1 to 2 will be shown as time from that non-stored event.
- Time, Operation System Time - This is a cumulative lifetime timer for the ACM. It indicates the total amount of time the ACM has been powered up.
 - For 2019 and later MY RAMs, this time is only cumulative for the current ignition cycle.
- Tire Pressure Indicator Lamp at Event- "On" indicates a tire with low pressure or a fault in the tire pressure monitoring system at the time of the event. The TPM module DTC's should be read and recorded for final system interpretation. "Flashing" indicates a recent fault in the tire pressure monitoring system.
- Tire Pressure at Event, LF, RF, RR - See "Tire Information" under Pre-Crash Data section for details.
- VIN at Event, Last 8 Digits- Last 8 digits of the VIN of the vehicle at the time the ACM records the event.

DEPLOYMENT COMMAND DATA:

- A "Yes" for a particular item indicates that the ACM commanded the deployment /activation of the associated device.
- The phrase "Exceeded Storage Range" for a particular time to deploy indicates that the deployment time is equal to or greater than the 255 milliseconds that can be stored.
- If a device is not deployed, the "time to deploy" for that device will N/A.
- A time to deploy value of 0 is valid and indicates that the deployment of the device triggered the EDR t0.
- In vehicles with Bosch and Veoneer ACMs, once a device has been deployed in an ignition cycle, it is possible that the ACM will not attempt to re-deploy any already deployed device during subsequent events in that same ignition cycle.

DTCs PRESENT AT START OF EVENT:

- If any DTCs (diagnostic trouble codes) are present in the ACM at the start of the event, these will be listed in this section. A dealership service manual can be used to decode the DTCs.
 - DTCs Present at Start of Event are not present in the Alfa Romeo Giulia, Fiat 500X, and the Jeep Renegade.
- For the 2021 MY+ Jeep Grand Cherokee L, the DTCs will not be updated for the subsequent events within the same ignition cycle.

SENSOR DATA:

- The design range for the angular rate data is:
 - +/- 240 deg/sec for Bosch ACMs unless specifically called out below
 - +/- 300 deg/sec for TRW ACMs, the 2019 MY RAM 1500, and the 2018+ MY Dodge Journey
 - +/- 290 deg/sec for 2008+ MY minivans and 2009-2017 MY Dodge Journey
 - +/- 340 deg/sec for 2017+ MY Chrysler Pacifica and new 2017+ MY Jeep Compass
 - - 416.67 deg/sec to +413.41 deg/sec for 2014+ MY Jeep Cherokee
 - +/- 300 deg/sec for vehicles with Veoneer ACMs
- For vehicles that store peripheral sensor data, t0 for the peripheral sensors is the same as the t0 for the delta V.

- Internal y acceleration is stored prior to t0 so the internal y acceleration data will usually be zero unless the rollover sensing algorithm has triggered storage of the EDR event.
- The words "Sensor Design Range Exceeded" and a vertical line will be displayed on the Longitudinal and Lateral Delta-V graphs the first time the applicable sensor range is exceeded.
- For the 2010-2012 MY Chrysler Town and Country, Dodge Caravan, Dodge Grand Caravan, and Dodge Journey and the 2010-2011 MY Grand Voyager, the angular rate will only be displayed if it is non-zero.

PRE-CRASH DATA:

- The recorded Event may contain Pre-Crash data. Pre-Crash data from the various electronic control modules in the vehicle is transmitted to the Airbag Control Module via the vehicle's communication bus.
- In the Pre-Crash Data graph, data transmitted at a rate other than 0.1 seconds will be shown as dots for each available data point. Only data transmitted at a rate of 0.1 seconds will have the dots connected by a line.
- (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.
- The MIL (Malfunction Indicator Lamp) Status for the various recorded systems indicates the requested 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. 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.
- ABS Activity - "Yes" indicates an active ABS event in which the ABS is actively controlling the brakes.
- ABS MIL- 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.
- Accelerator Pedal, % Full - This indicates the actual position of the accelerator pedal. It will be "SNA" if the vehicle is in the power free mode which limits acceleration.
- Accelerator Pedal (Derived), % Full - This indicates the calculated value of the accelerator pedal for battery electric vehicles only.
- Accelerator Pedal/Engine Throttle, % Full - This indicates the actual position of the accelerator pedal unless the cruise control is engaged. If the cruise control is engaged, this indicates the actual position of the engine throttle blade.
- Brake Pedal Position - This indicates the percentage of brake pedal depression by the driver.
- Brake Torque - This indicates the calculated amount of brake torque the system is producing at the wheels.
- Brake Torque Driver - This indicates the calculated amount of brake torque that the driver is requesting.
- Braking System, Maximum Braking -- "Yes" indicates that ABS is active on all 4 wheels at the same time.
- Cruise Control:
 - Note that the following two Cruise Control data elements are only valid for vehicles not equipped with Adaptive Cruise Control (ACC). For vehicles equipped with ACC, the ACC data elements are used for both regular Cruise Control and ACC.
 - Cruise Control System/Lamp Status - "On" indicates that the Cruise Control system is turned on.
 - Cruise Control Status - "Off" indicates that all cruise control functionality is disabled; "NCC_On" indicates that the Normal Cruise Control system is turned on; "NCC_Engaged" indicates the Normal Cruise Control is actively controlling vehicle speed; "ACC_On" indicates that ACC is turned on; "ACC_Engaged" indicates that the ACC is actively controlling vehicle speed.
 - Cruise Control Engaged Status/Active - "Engaged"/"Yes" indicates the Cruise Control system is actively controlling vehicle speed. "Not Engaged"/"No" indicates the system is NOT controlling vehicle speed.
 - Cruise Control Override - "Active" indicates that the driver has overridden the set speed. "Not Active" indicates that the cruise control is either not turned on or is not being overridden.
 - Adaptive Cruise Control (ACC) Status (if equip.)- "Off" indicates that all cruise control functionality is disabled; "NCC_On" indicates that the Normal Cruise Control system is turned on; "NCC_Set" indicates the Normal Cruise Control is actively controlling vehicle speed; "ACC_On" indicates that ACC is turned on; "ACC_Set" indicates that the ACC is actively controlling vehicle speed. If the value is SNA for all time stamps, then the vehicle is not equipped with ACC.
 - Set Speed (if equip.)- This indicates the desired speed in mph that was input by the driver for the cruise control system.
 - ACC Faulted - "Yes" indicates that the ACC system will not function and the ACC warning lamp is lit; "No" indicates that the ACC system is functional and the ACC warning lamp is off;
 - For new 2017+MY Jeep Compass, cruise control data elements are only available for vehicles NOT equipped with ACC.
- Drive Mode - This indicates the driver selected mode of operation (e.g. normal, sport, track, ...)
- Electronic Brake/Stability Control information:
 - Stability Control - This is the status of the ESC symbol - "car with squiggly lines" indicator lamp. "On" indicates that the ESC system is functional. "Off" indicates that the ESC system was turned off either by the driver or due to a fault or thermal mode shutdown. "Engaged" indicates an active ESC/TCS event. "Partial Off" indicates that engine management has been turned off but brake traction control is still functional.
 - For the Jeep Renegade, if the Stability Control is "Off", the ESC Button Status is "Disabled", and the vehicle speed exceeds 40 mph, the stability control system will operate in a reduced functionality mode with traction control turned off ("partial off" mode) even though the user disabled it. For all other conditions, when the Stability Control is "Off", the stability control system will be off.
 - ESC Button Status - This indicates the driver selected mode for the ESC system. "Disabled" indicates that the driver pressed the ESC Button to disable engine management. "Enabled" is the default state for the ESC system.
 - SRT and some Fiat products have the ability to fully disable the ESC system if the ESC button has been pressed and held for a specific amount of time. Additional system analysis is required.
 - ESP Feature is Completely Disabled - This indicates that the stability control system has turned off engine management, traction control, and stability control.
 - ESC/ESP MIL - This indicates the ESC/ESP fault indication lamp status. It will only be "On" when there is a fault or thermal mode shutdown in the ESC/ESP system. The ESC/ESP module DTC's should be read and recorded for final system interpretation.
 - Brake Intervention by ESP - "Yes" indicates that the stability control system has engaged the brakes.
 - Engine Torque Applied - "No" indicates 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.
- Traction Control Active - "Yes" indicates that the traction control system is actively controlling the vehicle's wheels.
- Electronic Park Brake (EPB):
 - Park Brake Engaged - "Yes" indicates that the park brake is applied.
 - EPB MIL - "On" indicates that there is a fault in the Electronic Park Brake System.
- Engine RPM - For the RAM ProMaster City, the minimum resolution for Engine RPM is 32 rpm.
- Engine Throttle, % Full - This indicates the actual position of the Engine Throttle blade. This data element is not supported by vehicles with diesel engines. Thus a value of "SNA" will be displayed if the vehicle has a diesel engine.
- ETC Lamp - Lamp "ON" indicates there is an active Electronic Throttle DTC.
- ETC Lamp Flashing - "Yes" indicates that the ETC is in the limp-in mode.
- Forward Collision Warning (FCW) (if equip.):
 - Object of Interest Distance - If the FCW system is acting on the object, this indicates the actual forward distance to the main object being tracked by the FCW system. "No Object" indicates that the FCW system is not currently acting on an object. If the value is SNA for all time stamps, then the vehicle is not equipped with FCW.
 - FCW System Operating State - "Off" indicates that the FCW system is off and the FCW Warning Lamp will be "On"; "On" indicates that the FCW system is on with the audible and visual warnings enabled.
 - FCW System Status - "Off" indicates that the FCW system is off and the FCW Warning Lamp will be "On". "On-warning" indicates that the FCW system is on but active braking is disabled. In an FCW event, the driver will only receive FCW audible and visual warnings. "On-full" indicates that the FCW system is fully on with active braking enabled as well as the audible and visual warnings enabled. SNA indicates that the vehicle is not equipped with FCW.
 - FCW Braking Enabled - "Yes" indicates that the FCW system has active braking enabled; "No" indicates that the FCW system does not have active braking enabled.
- Gear Position/Current Gear - For all vehicles except the RAM ProMaster City, this indicates the current transmission gear.
For the RAM ProMaster City, this indicates the status of the gear shift lever.
- Estimate Regenerative Braking Axle Torque - (HEV only) This indicates the calculated braking torque applied by the HEV system to the drive axles in Nm.
- Driver Intended Axle Torque - (HEV only) This indicates the calculated value of torque in Nm being applied to the drive axles based on accelerator pedal position.
- Trans torque request - (HEV only) "Yes" indicates that the transmission controller has requested a torque reduction when shifting from one gear to another.
- Static Axle Torque - (HEV only) This indicates the torque in Nm at the axle when the speed of the axle is constant.
- HEV Battery Pack Contactor State - (HEV only) "Closed" indicates that the HEV battery pack is connected to the vehicle's electrical system. "Open" indicates that the HEV battery pack is disconnected from the vehicle's electrical system. "Pre-Charging" indicates that the inverter internal capacitor is charging. "Pre-Charge Failed" indicates that the attempt to charge an internal capacitor failed. "Pre-Charge Inhibited" indicates that an attempt to charge an internal capacitor was not made.
- HEV Lamp Request - (HEV only) This indicates the HEV indicator lamp status. It will only be "On" when there is a fault in the HEV system. The vehicle DTC's should be read and recorded for final system interpretation.
- Master Cylinder Pressure - This indicates the brake pressure applied to the brakes through the brake pedal.
- PCM MIL - This indicates the PCM fault indicator lamp status. It will only be "On" when there is a fault in the PCM. "Flashing" indicates misfire detection. The Powertrain Control Module DTC's should be read and recorded for final system interpretation.
- Pre-Crash Recorder Complete - Due to the interruption of data recording in one section, this data element may display "Interrupted" for all sections when some data sections are actually complete.
 - For the 2014 MY Jeep Grand Cherokee and Dodge Durango, if recording of angular rate data is interrupted, the entire EDR record will display "Interrupted" even though the rest of the data may be complete.
- PRND/PRNDL/PRNDS Status - This indicates the status of the Shifter Position.
- Raw Manifold Pressure - This indicates engine load in kPa.
- Reverse Gear - For manual transmission vehicles only, "Yes" indicates the transmission is in the reverse gear.
- Service Brake - "On" indicates that the brake pedal is physically depressed. Braking from the ABS or FCW systems will not be reported in this data element.
- Shift Selector Position - This indicates the status of the gear shift selector.
- Speed, Vehicle Indicated - This indicates the average of the wheel speeds of the drive wheels.
 - The reporting resolution for Speed, Vehicle Indicated is 1 km/h.
 - To display this data element in mph, the CDR Tool converts the km/h to mph and reports a rounded value in mph.
 - The accuracy of the recorded Speed, Vehicle Indicated may be affected by a significant change of the tire size for the drive wheels or the final drive axle ratio of the transmission from the factory build specifications, wheel lockup, wheel slip, or wheel spin.
 - On some vehicles capable of speeds in excess of 255km/h (about 158mph), the actual vehicle speed may have exceeded the reporting range. It is always prudent to check the reported wheel speeds and other parameters to confirm the Speed, Vehicle Indicated value(s).
- Tire Information:
 - XX where LF = Left Front Tire, RF = Right Front Tire, LR = Left Rear Tire, and RR = Right Rear Tire.
 - Tire X Location - This indicates the location of the tire pressure sensor data being displayed for that time stamp. Default is used to indicate that the location of the tire pressure sensor is unknown or there is no tire pressure sensor in that 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 X Pressure/Tire Pressure Status, XX - This indicates the actual pressure status of the Tire Location defined in the previous column (Tire X Location) or by the values for XX. Possible values are Significantly Under Inflated (TPM lamp will be on), LOW/Under/Under Inflated, NORMAL, HIGH/Over/Over Inflated, or SNA for this parameter. Vehicles with Base Tire Pressure Monitoring systems may display NORMAL even though these vehicles do not send actual pressure values across the communication bus.
 - Tire X Pressure/Tire Pressure Value, XX (psi) - This indicates the actual tire pressure value of the Tire Location defined in the previous column (Tire X Location) or by the values for XX. 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.

- For the following vehicles, the tire location, if displayed, may not be accurate if the tires have been rotated:
 - 2013 MY Ram
 - 2013-2017 MY Jeep Patriot
 - 2013-2014 MY Chrysler 200
 - 2013-2017 MY Jeep Compass
 - 2013-2016 MY Dodge Dart
- For the 2013 MY Ram, if the values for tire pressure status and the tire pressure are SNA, the EDR does not store tire pressure monitoring data.
- Tire pressure is not stored in the EDR for the following vehicles:
 - 2014-2018 MY RAM 1500
 - 2014+ MY RAM (all but 1500)
 - 2013+ MY Jeep Wrangler
 - 2013 MY Jeep Grand Cherokee
 - 2013 MY Dodge Durango
 - 2013-2014 MY Dodge Challenger
 - 2013-2016 MY Chrysler Town and Country
 - 2013+ MY Dodge Grand Caravan
 - 2015+ MY Fiat 500
- Wheel Speed, XX - This indicates the speed value of a particular tire as denoted by XX.
- Tire Pressure Monitor Indicator Lamp/Faults - "On" indicates a tire with low pressure or a fault in the tire pressure monitoring system. The TPM module DTC's should be read and recorded for final system interpretation. "Flashing" indicates a recent fault in the tire pressure monitoring system.
- "T0" ("Time zero" where '0' is seen as subscript) is defined as "beginning of the crash event". T0 is the time at which the ACM algorithm is activated, a specific Delta-V is exceeded, or a non-reversible restraint device is deployed. T0 may be defined differently for front, side, rear and roll-over events.
 - If multiple algorithm decisions (i.e.: frontal, side, rear and/or rollover) are made before the first recorded event ends, all of those events are part of the same event record and "T0" is defined as the "T0" from the first recorded event.
 - In the Pre-Crash data tables, the relative time marker "-0.1s" or "-0.25s" respectively represents the last set of data captured in the buffer prior to "T0."
- Torque Information:
 - Axle Torque - This indicates the E-Motor Torque multiplied by the gear ratio for battery electric vehicles only.
 - E-Motor Torque - This indicates the calculated torque from the output shaft of the electric motor in battery electric vehicles only.
- Traction Control Intervention Active - "Active" indicates wheel slippage was occurring during vehicle acceleration.

APPLICATION INFORMATION:

- Alfa Romeo Giulia, Alfa Romeo Stelvio, Fiat 500L, Fiat 500X, and Jeep Renegade are only CDR supported in the United States, Canada, and Saudi Arabia markets.
- Fiat 500/500e is only CDR supported in the United States, Canada, Mexico, and Brazil markets.

03002_Chrysler_r046

System Status at Retrieval

Original VIN	2C3CDZAG6JH [REDACTED]
Ignition Cycle, Download	8825
ACM Part Number	68369388AA
ECU Serial Number	T52MD227703148
ACM Supplier	Bosch
ECU Supply Voltage at Time of Retrieval	12.1

System Configuration at Retrieval

Configured for Driver Frontal Airbag	Yes
Configured for Driver Knee Airbag	No
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 Switch	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 Passenger Seat Track Position Switch	No
Configured for Right Side Curtain Airbag	Yes
Configured for Right Side Seat Airbag	Yes
Configured for Rollover Sensing	Yes

System Status at Event (Most Recent Event)

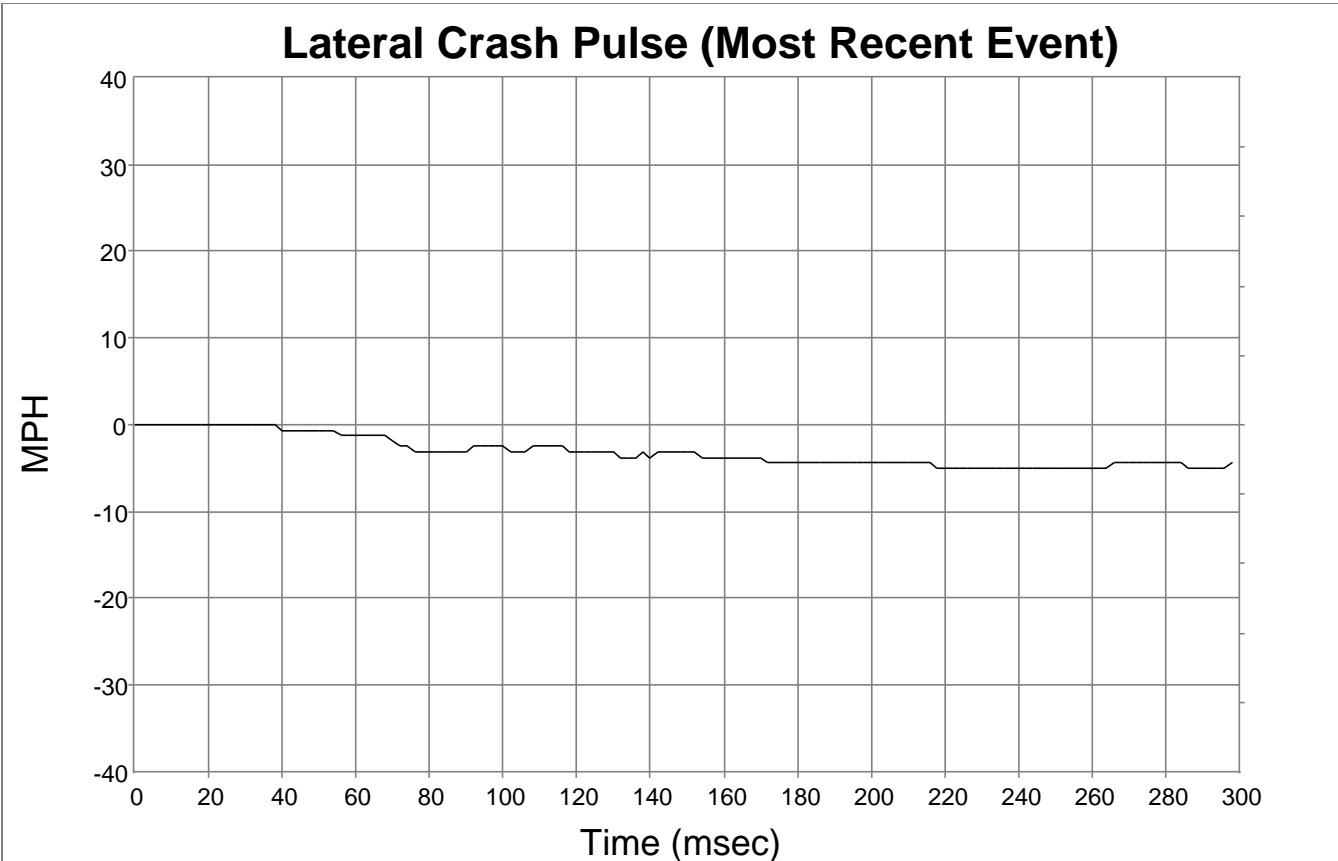
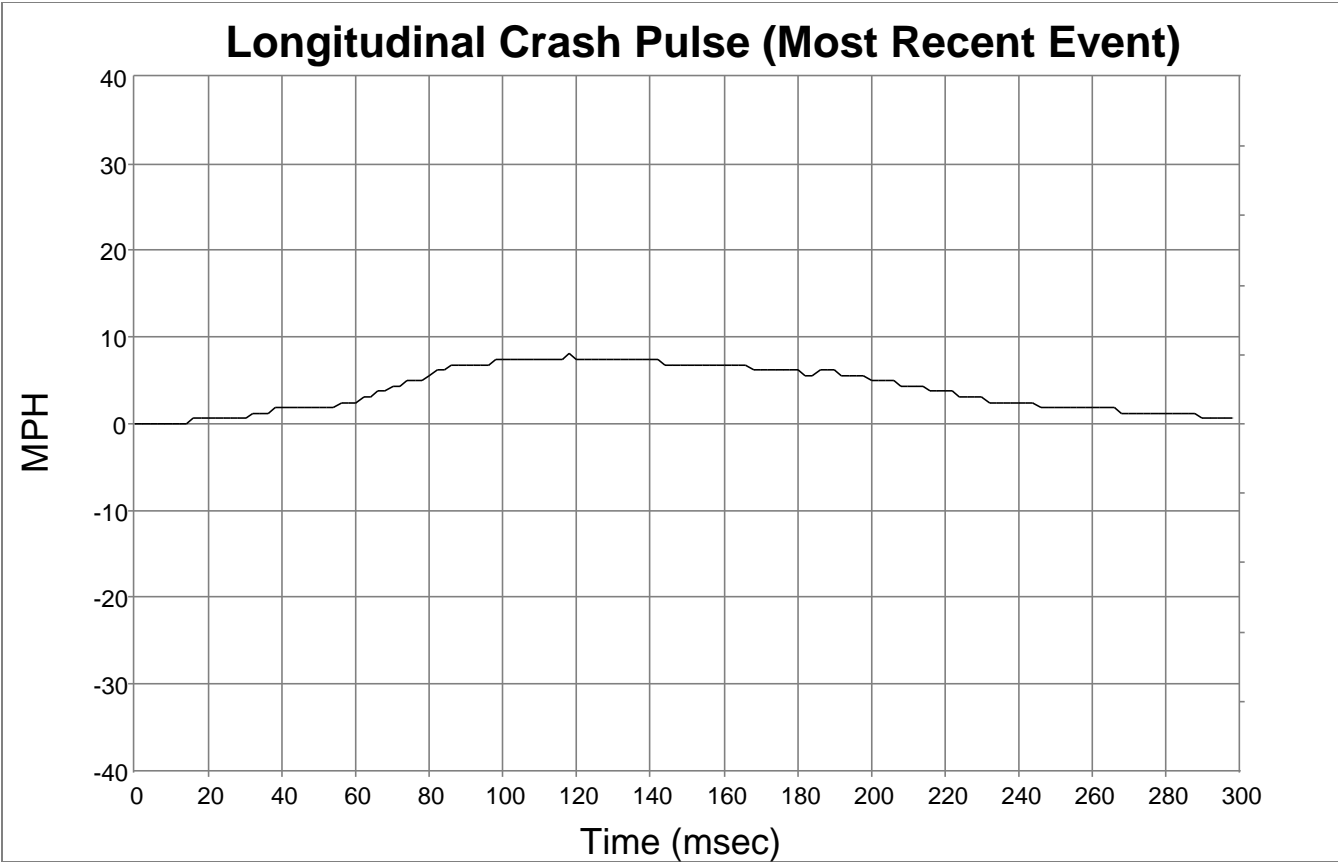
Complete File Recorded	Yes
Safety Belt Status, Driver	Buckled
Safety Belt Status, Outboard Front Passenger	Not Buckled
Airbag Warning Lamp, On/Off	Off
Seat Track Position Switch, Foremost, Status, Driver	No
Seat Track Position Switch, Foremost, Status, Outboard Front Passenger	Not Present
Maximum Delta-V Longitudinal (MPH [km/h])	8.1 [13]
Time, Maximum Delta-V, Longitudinal (msec)	118
Maximum Delta-V Lateral (MPH [km/h])	-5.0 [-8]
Time, Maximum Delta-V, Lateral (msec)	218
Clipping Flag Status	Not Set
Time, Operation System Time (sec)	9794809
Time, Airbag Warning Lamp On (min)	0
Event Number	2
Multi-Event, Number of Events (1,2)	2
Time from Event 1 to 2 (sec)	1.0
Operation Via Energy Reserve Only (Yes, No)	No
Supply Voltage at Event, ECU (V)	14.4
Temperature, Outside (deg C)	18
Event Signal Transmission, Complete (Yes, No)	Yes
Odometer at Event (Miles[km])	63520.3 [102226]
Ignition Cycle, Crash	8824
VIN, Original	2C3CDZAG6JH [REDACTED]
VIN Recorded at Event (last 8 characters)	JH [REDACTED]

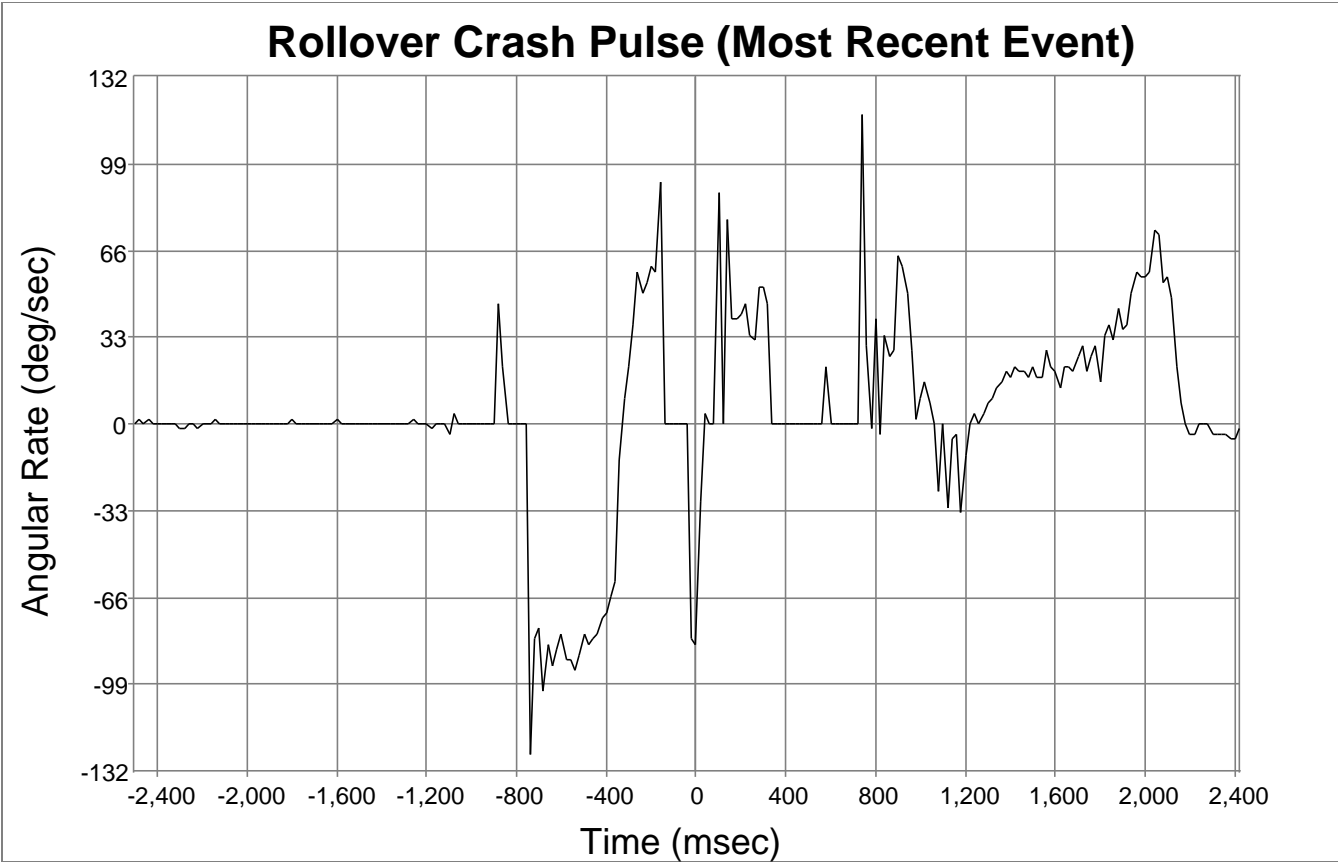
Deployment Command Data (Most Recent Event)

Frontal Airbag Deployment, Time to Deploy 1st Stage, Driver (msec)	N/A
Frontal Airbag Deployment, 1st Stage, Driver	No
Frontal Airbag Deployment, Time to Deploy 2nd Stage, Driver (msec)	N/A
Frontal Airbag Deployment, 2nd Stage, Driver	No
Frontal Airbag, Time to Deploy 1st Stage, Passenger (msec)	N/A
Frontal Airbag, Deployment 1st Stage, Passenger	No
Front Airbag, Time to Deploy 2nd Stage, Passenger (msec)	N/A
Front Airbag, Deployment 2nd Stage, Passenger	No
Buckle Pretensioner Deployment, Driver	No
Retractor Pretensioner Deployment, Driver	No
Buckle Pretensioner Deployment, Passenger	No
Retractor Pretensioner Deployment, Passenger	No
Side Seat Airbag Deployment, Front Left	No
Side Curtain Airbag Deployment, Left	No
Side Seat Airbag Deployment, Front Right	No
Side Curtain Airbag Deployment, Right	No

DTCs Present at Start of Event (Most Recent Event)

DTC Number	DTC Status
B1BD3-00	Stored





Longitudinal Crash Pulse (Most Recent Event)

Time (msec)	Delta-V, Longitudinal (MPH [km/h])
0	0.0 [0]
2	0.0 [0]
4	0.0 [0]
6	0.0 [0]
8	0.0 [0]
10	0.0 [0]
12	0.0 [0]
14	0.0 [0]
16	0.6 [1]
18	0.6 [1]
20	0.6 [1]
22	0.6 [1]
24	0.6 [1]
26	0.6 [1]
28	0.6 [1]
30	0.6 [1]
32	1.2 [2]
34	1.2 [2]
36	1.2 [2]
38	1.9 [3]
40	1.9 [3]
42	1.9 [3]
44	1.9 [3]
46	1.9 [3]
48	1.9 [3]
50	1.9 [3]
52	1.9 [3]
54	1.9 [3]
56	2.5 [4]
58	2.5 [4]
60	2.5 [4]
62	3.1 [5]
64	3.1 [5]
66	3.7 [6]
68	3.7 [6]
70	4.3 [7]
72	4.3 [7]
74	5.0 [8]
76	5.0 [8]
78	5.0 [8]
80	5.6 [9]
82	6.2 [10]
84	6.2 [10]
86	6.8 [11]
88	6.8 [11]
90	6.8 [11]
92	6.8 [11]
94	6.8 [11]
96	6.8 [11]
98	7.5 [12]

Time (msec)	Delta-V, Longitudinal (MPH [km/h])
100	7.5 [12]
102	7.5 [12]
104	7.5 [12]
106	7.5 [12]
108	7.5 [12]
110	7.5 [12]
112	7.5 [12]
114	7.5 [12]
116	7.5 [12]
118	8.1 [13]
120	7.5 [12]
122	7.5 [12]
124	7.5 [12]
126	7.5 [12]
128	7.5 [12]
130	7.5 [12]
132	7.5 [12]
134	7.5 [12]
136	7.5 [12]
138	7.5 [12]
140	7.5 [12]
142	7.5 [12]
144	6.8 [11]
146	6.8 [11]
148	6.8 [11]
150	6.8 [11]
152	6.8 [11]
154	6.8 [11]
156	6.8 [11]
158	6.8 [11]
160	6.8 [11]
162	6.8 [11]
164	6.8 [11]
166	6.8 [11]
168	6.2 [10]
170	6.2 [10]
172	6.2 [10]
174	6.2 [10]
176	6.2 [10]
178	6.2 [10]
180	6.2 [10]
182	5.6 [9]
184	5.6 [9]
186	6.2 [10]
188	6.2 [10]
190	6.2 [10]
192	5.6 [9]
194	5.6 [9]
196	5.6 [9]
198	5.6 [9]

Time (msec)	Delta-V, Longitudinal (MPH [km/h])
200	5.0 [8]
202	5.0 [8]
204	5.0 [8]
206	5.0 [8]
208	4.3 [7]
210	4.3 [7]
212	4.3 [7]
214	4.3 [7]
216	3.7 [6]
218	3.7 [6]
220	3.7 [6]
222	3.7 [6]
224	3.1 [5]
226	3.1 [5]
228	3.1 [5]
230	3.1 [5]
232	2.5 [4]
234	2.5 [4]
236	2.5 [4]
238	2.5 [4]
240	2.5 [4]
242	2.5 [4]
244	2.5 [4]
246	1.9 [3]
248	1.9 [3]
250	1.9 [3]
252	1.9 [3]
254	1.9 [3]
256	1.9 [3]
258	1.9 [3]
260	1.9 [3]
262	1.9 [3]
264	1.9 [3]
266	1.9 [3]
268	1.2 [2]
270	1.2 [2]
272	1.2 [2]
274	1.2 [2]
276	1.2 [2]
278	1.2 [2]
280	1.2 [2]
282	1.2 [2]
284	1.2 [2]
286	1.2 [2]
288	1.2 [2]
290	0.6 [1]
292	0.6 [1]
294	0.6 [1]
296	0.6 [1]
298	0.6 [1]

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	0.0 [0]
10	0.0 [0]
12	0.0 [0]
14	0.0 [0]
16	0.0 [0]
18	0.0 [0]
20	0.0 [0]
22	0.0 [0]
24	0.0 [0]
26	0.0 [0]
28	0.0 [0]
30	0.0 [0]
32	0.0 [0]
34	0.0 [0]
36	0.0 [0]
38	0.0 [0]
40	-0.6 [-1]
42	-0.6 [-1]
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	-1.2 [-2]
58	-1.2 [-2]
60	-1.2 [-2]
62	-1.2 [-2]
64	-1.2 [-2]
66	-1.2 [-2]
68	-1.2 [-2]
70	-1.9 [-3]
72	-2.5 [-4]
74	-2.5 [-4]
76	-3.1 [-5]
78	-3.1 [-5]
80	-3.1 [-5]
82	-3.1 [-5]
84	-3.1 [-5]
86	-3.1 [-5]
88	-3.1 [-5]
90	-3.1 [-5]
92	-2.5 [-4]
94	-2.5 [-4]
96	-2.5 [-4]
98	-2.5 [-4]

Time (msec)	Delta-V, Lateral (MPH [km/h])
100	-2.5 [-4]
102	-3.1 [-5]
104	-3.1 [-5]
106	-3.1 [-5]
108	-2.5 [-4]
110	-2.5 [-4]
112	-2.5 [-4]
114	-2.5 [-4]
116	-2.5 [-4]
118	-3.1 [-5]
120	-3.1 [-5]
122	-3.1 [-5]
124	-3.1 [-5]
126	-3.1 [-5]
128	-3.1 [-5]
130	-3.1 [-5]
132	-3.7 [-6]
134	-3.7 [-6]
136	-3.7 [-6]
138	-3.1 [-5]
140	-3.7 [-6]
142	-3.1 [-5]
144	-3.1 [-5]
146	-3.1 [-5]
148	-3.1 [-5]
150	-3.1 [-5]
152	-3.1 [-5]
154	-3.7 [-6]
156	-3.7 [-6]
158	-3.7 [-6]
160	-3.7 [-6]
162	-3.7 [-6]
164	-3.7 [-6]
166	-3.7 [-6]
168	-3.7 [-6]
170	-3.7 [-6]
172	-4.3 [-7]
174	-4.3 [-7]
176	-4.3 [-7]
178	-4.3 [-7]
180	-4.3 [-7]
182	-4.3 [-7]
184	-4.3 [-7]
186	-4.3 [-7]
188	-4.3 [-7]
190	-4.3 [-7]
192	-4.3 [-7]
194	-4.3 [-7]
196	-4.3 [-7]
198	-4.3 [-7]

Time (msec)	Delta-V, Lateral (MPH [km/h])
200	-4.3 [-7]
202	-4.3 [-7]
204	-4.3 [-7]
206	-4.3 [-7]
208	-4.3 [-7]
210	-4.3 [-7]
212	-4.3 [-7]
214	-4.3 [-7]
216	-4.3 [-7]
218	-5.0 [-8]
220	-5.0 [-8]
222	-5.0 [-8]
224	-5.0 [-8]
226	-5.0 [-8]
228	-5.0 [-8]
230	-5.0 [-8]
232	-5.0 [-8]
234	-5.0 [-8]
236	-5.0 [-8]
238	-5.0 [-8]
240	-5.0 [-8]
242	-5.0 [-8]
244	-5.0 [-8]
246	-5.0 [-8]
248	-5.0 [-8]
250	-5.0 [-8]
252	-5.0 [-8]
254	-5.0 [-8]
256	-5.0 [-8]
258	-5.0 [-8]
260	-5.0 [-8]
262	-5.0 [-8]
264	-5.0 [-8]
266	-4.3 [-7]
268	-4.3 [-7]
270	-4.3 [-7]
272	-4.3 [-7]
274	-4.3 [-7]
276	-4.3 [-7]
278	-4.3 [-7]
280	-4.3 [-7]
282	-4.3 [-7]
284	-4.3 [-7]
286	-5.0 [-8]
288	-5.0 [-8]
290	-5.0 [-8]
292	-5.0 [-8]
294	-5.0 [-8]
296	-5.0 [-8]
298	-4.3 [-7]

Rollover Crash Pulse (Most Recent Event) (if equipped)

Time (msec)	Angular Rate (deg/sec)
-2500	0.00
-2480	2.00
-2460	0.00
-2440	2.00
-2420	0.00
-2400	0.00
-2380	0.00
-2360	0.00
-2340	0.00
-2320	0.00
-2300	-2.00
-2280	-2.00
-2260	0.00
-2240	0.00
-2220	-2.00
-2200	0.00
-2180	0.00
-2160	0.00
-2140	2.00
-2120	0.00
-2100	0.00
-2080	0.00
-2060	0.00
-2040	0.00
-2020	0.00
-2000	0.00
-1980	0.00
-1960	0.00
-1940	0.00
-1920	0.00
-1900	0.00
-1880	0.00
-1860	0.00
-1840	0.00
-1820	0.00
-1800	2.00
-1780	0.00
-1760	0.00
-1740	0.00
-1720	0.00
-1700	0.00
-1680	0.00
-1660	0.00
-1640	0.00
-1620	0.00
-1600	2.00
-1580	0.00
-1560	0.00
-1540	0.00
-1520	0.00

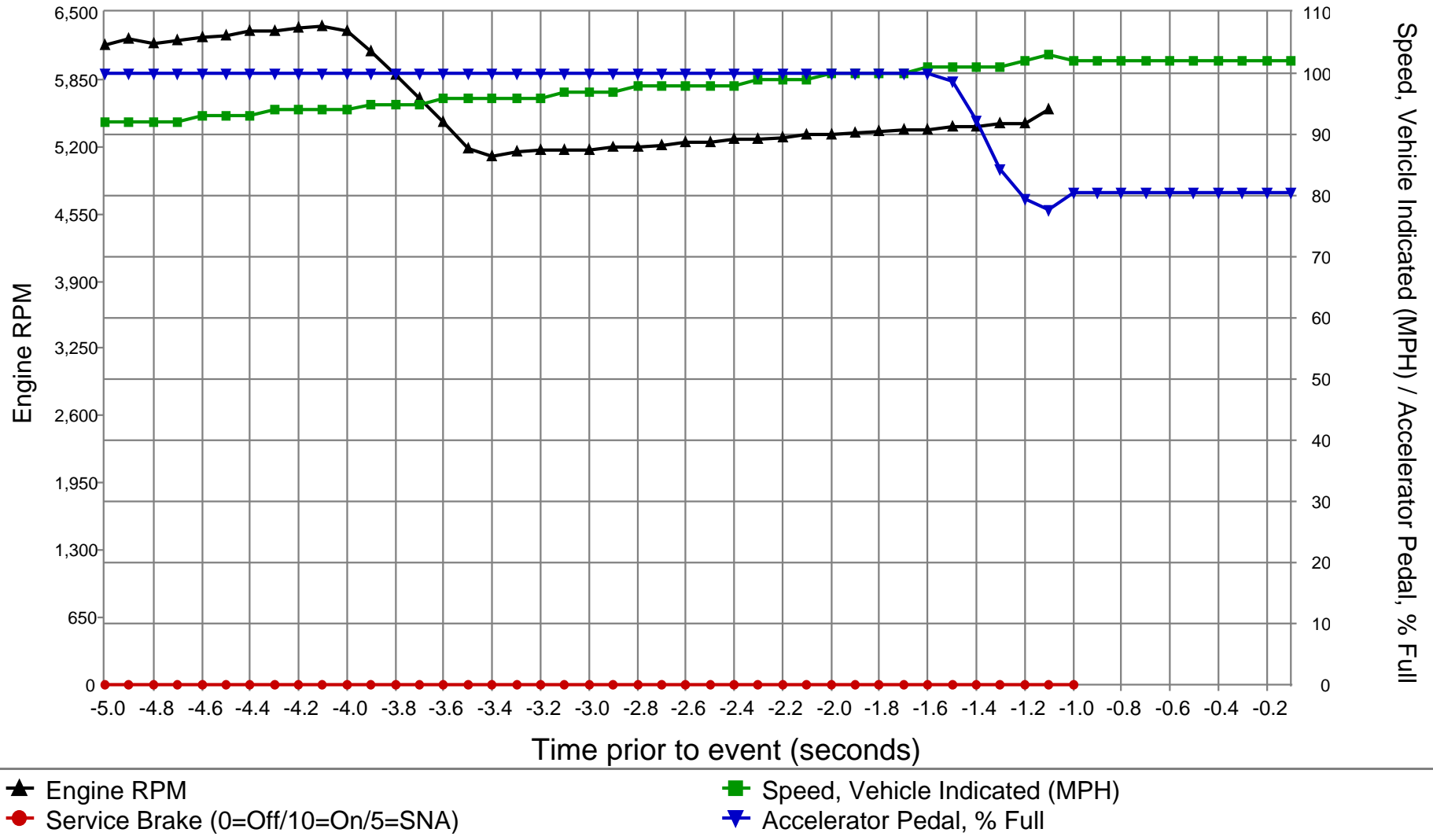
Time (msec)	Angular Rate (deg/sec)
-1500	0.00
-1480	0.00
-1460	0.00
-1440	0.00
-1420	0.00
-1400	0.00
-1380	0.00
-1360	0.00
-1340	0.00
-1320	0.00
-1300	0.00
-1280	0.00
-1260	2.00
-1240	0.00
-1220	0.00
-1200	0.00
-1180	-2.00
-1160	0.00
-1140	0.00
-1120	0.00
-1100	-4.00
-1080	4.00
-1060	0.00
-1040	0.00
-1020	0.00
-1000	0.00
-980	0.00
-960	0.00
-940	0.00
-920	0.00
-900	0.00
-880	46.00
-860	22.00
-840	0.00
-820	0.00
-800	0.00
-780	0.00
-760	0.00
-740	-126.00
-720	-82.00
-700	-78.00
-680	-102.00
-660	-84.00
-640	-92.00
-620	-86.00
-600	-80.00
-580	-90.00
-560	-90.00
-540	-94.00
-520	-88.00

Time (msec)	Angular Rate (deg/sec)
-500	-80.00
-480	-84.00
-460	-82.00
-440	-80.00
-420	-74.00
-400	-72.00
-380	-66.00
-360	-60.00
-340	-14.00
-320	10.00
-300	22.00
-280	38.00
-260	58.00
-240	50.00
-220	54.00
-200	60.00
-180	58.00
-160	92.00
-140	0.00
-120	0.00
-100	0.00
-80	0.00
-60	0.00
-40	0.00
-20	-82.00
0	-84.00
20	-30.00
40	4.00
60	0.00
80	0.00
100	88.00
120	0.00
140	78.00
160	40.00
180	40.00
200	42.00
220	46.00
240	34.00
260	32.00
280	52.00
300	52.00
320	46.00
340	0.00
360	0.00
380	0.00
400	0.00
420	0.00
440	0.00
460	0.00
480	0.00

Rollover Crash Pulse (Most Recent Event) (if equipped)

Time (msec)	Angular Rate (deg/sec)	Time (msec)	Angular Rate (deg/sec)
500	0.00	1500	22.00
520	0.00	1520	18.00
540	0.00	1540	18.00
560	0.00	1560	28.00
580	22.00	1580	22.00
600	0.00	1600	20.00
620	0.00	1620	14.00
640	0.00	1640	22.00
660	0.00	1660	22.00
680	0.00	1680	20.00
700	0.00	1700	26.00
720	0.00	1720	30.00
740	118.00	1740	20.00
760	30.00	1760	26.00
780	-2.00	1780	30.00
800	40.00	1800	16.00
820	-4.00	1820	34.00
840	34.00	1840	38.00
860	26.00	1860	32.00
880	28.00	1880	44.00
900	64.00	1900	36.00
920	60.00	1920	38.00
940	50.00	1940	50.00
960	28.00	1960	58.00
980	2.00	1980	56.00
1000	10.00	2000	56.00
1020	16.00	2020	58.00
1040	8.00	2040	74.00
1060	0.00	2060	72.00
1080	-26.00	2080	54.00
1100	0.00	2100	56.00
1120	-32.00	2120	48.00
1140	-6.00	2140	22.00
1160	-4.00	2160	8.00
1180	-34.00	2180	0.00
1200	-12.00	2200	-4.00
1220	0.00	2220	-4.00
1240	4.00	2240	0.00
1260	0.00	2260	0.00
1280	4.00	2280	0.00
1300	8.00	2300	-4.00
1320	10.00	2320	-4.00
1340	14.00	2340	-4.00
1360	16.00	2360	-4.00
1380	20.00	2380	-6.00
1400	18.00	2400	-6.00
1420	22.00	2420	-2.00
1440	20.00		
1460	20.00		
1480	18.00		

Pre-Crash Data (Most Recent Event)



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	Engine RPM	ABS Activity	Stability Control	Steering Input (deg)
-5.0	Complete	92 [147]	100	100	Off	6,186	No	On	2
-4.9	Complete	92 [148]	100	100	Off	6,246	No	On	3
-4.8	Complete	92 [149]	100	100	Off	6,201	No	On	4
-4.7	Complete	92 [149]	100	100	Off	6,232	No	On	2
-4.6	Complete	93 [149]	100	100	Off	6,263	No	On	1
-4.5	Complete	93 [150]	100	100	Off	6,275	No	On	3
-4.4	Complete	93 [150]	100	100	Off	6,322	No	On	2
-4.3	Complete	94 [151]	100	100	Off	6,313	No	On	3
-4.2	Complete	94 [151]	100	100	Off	6,345	No	On	3
-4.1	Complete	94 [152]	100	100	Off	6,371	No	On	3
-4.0	Complete	94 [152]	100	100	Off	6,318	No	On	3
-3.9	Complete	95 [152]	100	100	Off	6,118	No	On	3
-3.8	Complete	95 [153]	100	100	Off	5,894	No	On	4
-3.7	Complete	95 [154]	100	100	Off	5,665	No	On	4
-3.6	Complete	96 [154]	100	100	Off	5,444	No	On	4
-3.5	Complete	96 [154]	100	100	Off	5,189	No	On	3
-3.4	Complete	96 [154]	100	100	Off	5,112	No	On	3
-3.3	Complete	96 [155]	100	100	Off	5,150	No	On	3
-3.2	Complete	96 [155]	100	100	Off	5,160	No	On	3
-3.1	Complete	97 [156]	100	100	Off	5,160	No	On	3
-3.0	Complete	97 [156]	100	100	Off	5,173	No	On	2
-2.9	Complete	97 [156]	100	100	Off	5,202	No	On	1
-2.8	Complete	98 [157]	100	100	Off	5,203	No	On	2
-2.7	Complete	98 [157]	100	100	Off	5,217	No	On	2
-2.6	Complete	98 [158]	100	100	Off	5,242	No	On	2
-2.5	Complete	98 [158]	100	100	Off	5,240	No	On	2
-2.4	Complete	98 [158]	100	100	Off	5,269	No	On	2
-2.3	Complete	99 [159]	100	100	Off	5,270	No	On	1
-2.2	Complete	99 [159]	100	100	Off	5,294	No	On	3
-2.1	Complete	99 [160]	100	100	Off	5,311	No	On	2
-2.0	Complete	100 [160]	100	100	Off	5,316	No	On	2
-1.9	Complete	100 [161]	100	100	Off	5,339	No	On	3
-1.8	Complete	100 [161]	100	100	Off	5,345	No	On	3
-1.7	Complete	100 [161]	100	100	Off	5,365	No	On	3
-1.6	Complete	101 [162]	100	100	Off	5,362	No	On	3
-1.5	Complete	101 [162]	99	100	Off	5,397	No	On	3
-1.4	Complete	101 [163]	92	100	Off	5,393	No	On	3
-1.3	Complete	101 [163]	84	100	Off	5,418	No	On	3
-1.2	Complete	102 [164]	80	100	Off	5,424	No	On	4
-1.1	Complete	103 [166]	78	100	Off	5,557	No	On	5
-1.0	Complete	102 [163]	80	100	Off	SNA	No	On	SNA
-0.9	Complete	102 [163]	80	100	SNA	SNA	No	SNA	-3
-0.8	Complete	102 [163]	80	100	SNA	SNA	No	SNA	SNA
-0.7	Complete	102 [163]	80	SNA	SNA	SNA	No	SNA	SNA
-0.6	Complete	102 [163]	80	SNA	SNA	SNA	No	SNA	SNA
-0.5	Complete	102 [163]	80	SNA	SNA	SNA	No	SNA	SNA
-0.4	Complete	102 [163]	80	SNA	SNA	SNA	No	SNA	SNA
-0.3	Complete	102 [163]	80	SNA	SNA	SNA	No	SNA	SNA
-0.2	Complete	102 [163]	80	SNA	SNA	SNA	No	SNA	SNA
-0.1	Complete	102 [163]	80	SNA	SNA	SNA	No	SNA	SNA

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 (deg/sec)	Wheel Speed LF (RPM)	Wheel Speed RF (RPM)	Wheel Speed LR (RPM)	Wheel Speed RR (RPM)	ETC Lamp	ETC Lamp Flashing
-5.0	91	Off	0	1,104	1,107	1,119	1,120	No	No
-4.9	92	Off	-1	1,109	1,109	1,134	1,126	No	No
-4.8	91	Off	0	1,115	1,117	1,130	1,131	No	No
-4.7	91	Off	0	1,120	1,120	1,133	1,134	No	No
-4.6	92	Off	0	1,125	1,127	1,137	1,137	No	No
-4.5	92	Off	-1	1,129	1,129	1,140	1,141	No	No
-4.4	92	Off	0	1,132	1,135	1,143	1,147	No	No
-4.3	92	Off	0	1,133	1,137	1,146	1,152	No	No
-4.2	92	Off	0	1,139	1,140	1,149	1,154	No	No
-4.1	92	Off	0	1,143	1,144	1,152	1,154	No	No
-4.0	91	Off	0	1,144	1,149	1,153	1,156	No	No
-3.9	91	Off	0	1,148	1,151	1,157	1,157	No	No
-3.8	92	Off	0	1,150	1,153	1,159	1,161	No	No
-3.7	92	Off	0	1,155	1,155	1,174	1,166	No	No
-3.6	91	Off	0	1,157	1,158	1,168	1,169	No	No
-3.5	91	Off	0	1,160	1,161	1,169	1,173	No	No
-3.4	92	Off	0	1,164	1,166	1,174	1,177	No	No
-3.3	93	Off	0	1,166	1,168	1,179	1,181	No	No
-3.2	93	Off	0	1,167	1,170	1,181	1,185	No	No
-3.1	92	Off	0	1,172	1,172	1,186	1,187	No	No
-3.0	92	Off	0	1,174	1,177	1,189	1,189	No	No
-2.9	93	Off	0	1,176	1,179	1,192	1,192	No	No
-2.8	92	Off	0	1,181	1,182	1,194	1,197	No	No
-2.7	92	Off	0	1,183	1,185	1,198	1,199	No	No
-2.6	93	Off	0	1,188	1,189	1,201	1,203	No	No
-2.5	93	Off	0	1,192	1,193	1,203	1,206	No	No
-2.4	92	Off	0	1,195	1,196	1,207	1,208	No	No
-2.3	91	Off	0	1,197	1,198	1,209	1,212	No	No
-2.2	92	Off	0	1,200	1,200	1,213	1,216	No	No
-2.1	93	Off	0	1,201	1,202	1,218	1,220	No	No
-2.0	93	Off	0	1,205	1,207	1,221	1,225	No	No
-1.9	92	Off	0	1,207	1,209	1,224	1,226	No	No
-1.8	92	Off	0	1,213	1,214	1,226	1,230	No	No
-1.7	92	Off	0	1,214	1,217	1,229	1,230	No	No
-1.6	91	Off	0	1,216	1,219	1,233	1,233	No	No
-1.5	91	Off	0	1,220	1,223	1,237	1,236	No	No
-1.4	91	Off	0	1,223	1,226	1,235	1,236	No	No
-1.3	91	Off	0	1,227	1,229	1,239	1,241	No	No
-1.2	91	Off	0	1,220	1,226	1,245	1,247	No	No
-1.1	91	Off	0	1,239	1,235	1,253	1,255	No	No
-1.0	94	Off	2	1,244	1,246	1,248	1,255	No	No
-0.9	94	Off	SNA	SNA	SNA	SNA	SNA	No	No
-0.8	94	Off	SNA	SNA	SNA	SNA	SNA	No	No
-0.7	SNA	Off	SNA	SNA	SNA	SNA	SNA	No	No
-0.6	SNA	Off	SNA	SNA	SNA	SNA	SNA	No	No
-0.5	SNA	Off	SNA	SNA	SNA	SNA	SNA	No	No
-0.4	SNA	Off	SNA	SNA	SNA	SNA	SNA	No	No
-0.3	SNA	Off	SNA	SNA	SNA	SNA	SNA	No	No
-0.2	SNA	Off	SNA	SNA	SNA	SNA	SNA	No	No
-0.1	SNA	Off	SNA	SNA	SNA	SNA	SNA	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)	Gear Position (ATX)	Reverse Gear (MTX)	Tire Pressure Monitor Indicator Lamp	Tire Pressure Status, LF	Tire Pressure Status, RF	Tire Pressure Status, LR	Tire Pressure Status, RR	Tire Pressure, LF (psi)	Tire Pressure, RF (psi)
-5.0	Drive	Not Reverse	Off	Normal	Normal	Normal	Normal	33	34
-4.9	Drive	Not Reverse	Off	Normal	Normal	Normal	Normal	33	34
-4.8	Drive	Not Reverse	Off	Normal	Normal	Normal	Normal	33	34
-4.7	Drive	Not Reverse	Off	Normal	Normal	Normal	Normal	33	34
-4.6	Drive	Not Reverse	Off	Normal	Normal	Normal	Normal	33	34
-4.5	Drive	Not Reverse	Off	Normal	Normal	Normal	Normal	33	34
-4.4	Drive	Not Reverse	Off	Normal	Normal	Normal	Normal	33	34
-4.3	Drive	Not Reverse	Off	Normal	Normal	Normal	Normal	33	34
-4.2	Drive	Not Reverse	Off	Normal	Normal	Normal	Normal	33	34
-4.1	Drive	Not Reverse	Off	Normal	Normal	Normal	Normal	33	34
-4.0	Drive	Not Reverse	Off	Normal	Normal	Normal	Normal	33	34
-3.9	Drive	Not Reverse	Off	Normal	Normal	Normal	Normal	33	34
-3.8	Drive	Not Reverse	Off	Normal	Normal	Normal	Normal	33	34
-3.7	Drive	Not Reverse	Off	Normal	Normal	Normal	Normal	33	34
-3.6	Drive	Not Reverse	Off	Normal	Normal	Normal	Normal	33	34
-3.5	Drive	Not Reverse	Off	Normal	Normal	Normal	Normal	33	34
-3.4	Drive	Not Reverse	Off	Normal	Normal	Normal	Normal	33	34
-3.3	Drive	Not Reverse	Off	Normal	Normal	Normal	Normal	33	34
-3.2	Drive	Not Reverse	Off	Normal	Normal	Normal	Normal	33	34
-3.1	Drive	Not Reverse	Off	Normal	Normal	Normal	Normal	33	34
-3.0	Drive	Not Reverse	Off	Normal	Normal	Normal	Normal	33	34
-2.9	Drive	Not Reverse	Off	Normal	Normal	Normal	Normal	33	34
-2.8	Drive	Not Reverse	Off	Normal	Normal	Normal	Normal	33	34
-2.7	Drive	Not Reverse	Off	Normal	Normal	Normal	Normal	33	34
-2.6	Drive	Not Reverse	Off	Normal	Normal	Normal	Normal	33	34
-2.5	Drive	Not Reverse	Off	Normal	Normal	Normal	Normal	33	34
-2.4	Drive	Not Reverse	Off	Normal	Normal	Normal	Normal	33	34
-2.3	Drive	Not Reverse	Off	Normal	Normal	Normal	Normal	33	34
-2.2	Drive	Not Reverse	Off	Normal	Normal	Normal	Normal	33	34
-2.1	Drive	Not Reverse	Off	Normal	Normal	Normal	Normal	33	34
-2.0	Drive	Not Reverse	Off	Normal	Normal	Normal	Normal	33	34
-1.9	Drive	Not Reverse	Off	Normal	Normal	Normal	Normal	33	34
-1.8	Drive	Not Reverse	Off	Normal	Normal	Normal	Normal	33	34
-1.7	Drive	Not Reverse	Off	Normal	Normal	Normal	Normal	33	34
-1.6	Drive	Not Reverse	Off	Normal	Normal	Normal	Normal	33	34
-1.5	Drive	Not Reverse	Off	Normal	Normal	Normal	Normal	33	34
-1.4	Drive	Not Reverse	Off	Normal	Normal	Normal	Normal	33	34
-1.3	Drive	Not Reverse	Off	Normal	Normal	Normal	Normal	33	34
-1.2	Drive	Not Reverse	Off	Normal	Normal	Normal	Normal	33	34
-1.1	Drive	Not Reverse	Off	Normal	Normal	Normal	Normal	33	34
-1.0	Drive	Not Reverse	Off	Normal	Normal	Normal	Normal	33	34
-0.9	SNA	Not Reverse	Off	Normal	Normal	Normal	Normal	33	34
-0.8	SNA	Not Reverse	Off	Normal	Normal	Normal	Normal	33	34
-0.7	SNA	Not Reverse	Off	Normal	Normal	Normal	Normal	33	34
-0.6	SNA	Not Reverse	Off	Normal	Normal	Normal	Normal	33	34
-0.5	Drive	Not Reverse	Off	Normal	Normal	Normal	Normal	33	34
-0.4	Drive	Not Reverse	Off	Normal	Normal	Normal	Normal	33	34
-0.3	Drive	Not Reverse	Off	Normal	Normal	Normal	Normal	33	34
-0.2	Drive	Not Reverse	Off	Normal	Normal	Normal	Normal	33	34
-0.1	Drive	Not Reverse	Off	Normal	Normal	Normal	Normal	33	34

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, LR (psi)	Tire Pressure, RR (psi)	Cruise Control Status	Cruise Control Engaged	Adaptive Cruise Control Status (if equip.)	ACC Speed Set (MPH) (if equip.)	Object of Interest Distance (if equip.)	Forward Collision Warning Lamp Status (if equip.)
-5.0	38	34	Off	Not Engaged	Off	SNA	SNA	Off
-4.9	38	34	Off	Not Engaged	Off	SNA	SNA	Off
-4.8	38	34	Off	Not Engaged	Off	SNA	SNA	Off
-4.7	38	34	Off	Not Engaged	Off	SNA	SNA	Off
-4.6	38	34	Off	Not Engaged	Off	SNA	SNA	Off
-4.5	39	34	Off	Not Engaged	Off	SNA	SNA	Off
-4.4	39	34	Off	Not Engaged	Off	SNA	SNA	Off
-4.3	39	34	Off	Not Engaged	Off	SNA	SNA	Off
-4.2	39	34	Off	Not Engaged	Off	SNA	SNA	Off
-4.1	39	34	Off	Not Engaged	Off	SNA	SNA	Off
-4.0	39	34	Off	Not Engaged	Off	SNA	SNA	Off
-3.9	39	34	Off	Not Engaged	Off	SNA	SNA	Off
-3.8	39	34	Off	Not Engaged	Off	SNA	SNA	Off
-3.7	39	34	Off	Not Engaged	Off	SNA	SNA	Off
-3.6	39	34	Off	Not Engaged	Off	SNA	SNA	Off
-3.5	39	34	Off	Not Engaged	Off	SNA	SNA	Off
-3.4	39	34	Off	Not Engaged	Off	SNA	SNA	Off
-3.3	39	34	Off	Not Engaged	Off	SNA	SNA	Off
-3.2	39	34	Off	Not Engaged	Off	SNA	SNA	Off
-3.1	39	34	Off	Not Engaged	Off	SNA	SNA	Off
-3.0	39	34	Off	Not Engaged	Off	SNA	SNA	Off
-2.9	39	34	Off	Not Engaged	Off	SNA	SNA	Off
-2.8	39	34	Off	Not Engaged	Off	SNA	SNA	Off
-2.7	39	34	Off	Not Engaged	Off	SNA	SNA	Off
-2.6	39	34	Off	Not Engaged	Off	SNA	SNA	Off
-2.5	39	34	Off	Not Engaged	Off	SNA	SNA	Off
-2.4	39	34	Off	Not Engaged	Off	SNA	SNA	Off
-2.3	39	34	Off	Not Engaged	Off	SNA	SNA	Off
-2.2	39	34	Off	Not Engaged	Off	SNA	SNA	Off
-2.1	39	34	Off	Not Engaged	Off	SNA	SNA	Off
-2.0	39	34	Off	Not Engaged	Off	SNA	SNA	Off
-1.9	39	34	Off	Not Engaged	Off	SNA	SNA	Off
-1.8	39	34	Off	Not Engaged	Off	SNA	SNA	Off
-1.7	39	34	Off	Not Engaged	Off	SNA	SNA	Off
-1.6	39	34	Off	Not Engaged	Off	SNA	SNA	Off
-1.5	39	34	Off	Not Engaged	Off	SNA	SNA	Off
-1.4	39	34	Off	Not Engaged	Off	SNA	SNA	Off
-1.3	39	34	Off	Not Engaged	Off	SNA	SNA	Off
-1.2	39	34	Off	Not Engaged	Off	SNA	SNA	Off
-1.1	39	34	Off	Not Engaged	Off	SNA	SNA	Off
-1.0	39	34	Off	Not Engaged	Off	SNA	SNA	Off
-0.9	39	34	Off	Not Engaged	Off	SNA	SNA	Off
-0.8	39	34	Off	Not Engaged	Off	SNA	SNA	Off
-0.7	39	34	Off	Not Engaged	Off	SNA	SNA	Off
-0.6	39	34	Off	Not Engaged	Off	SNA	SNA	Off
-0.5	39	34	Off	Not Engaged	Off	SNA	SNA	Off
-0.4	39	34	Off	Not Engaged	Off	SNA	SNA	Off
-0.3	39	34	Off	Not Engaged	Off	SNA	SNA	Off
-0.2	39	34	Off	Not Engaged	Off	SNA	SNA	Off
-0.1	39	34	Off	Not Engaged	Off	SNA	SNA	Off

System Status at Event (1st Prior Event)

Complete File Recorded	Yes
Safety Belt Status, Driver	Buckled
Safety Belt Status, Outboard Front Passenger	Not Buckled
Airbag Warning Lamp, On/Off	Off
Seat Track Position Switch, Foremost, Status, Driver	No
Seat Track Position Switch, Foremost, Status, Outboard Front Passenger	Not Present
Maximum Delta-V Longitudinal (MPH [km/h])	-64.6 [-104]
Time, Maximum Delta-V, Longitudinal (msec)	150
Maximum Delta-V Lateral (MPH [km/h])	28.0 [45]
Time, Maximum Delta-V, Lateral (msec)	92
Clipping Flag Status	Not Set
Time, Operation System Time (sec)	9794809
Time, Airbag Warning Lamp On (min)	0
Event Number	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
Supply Voltage at Event, ECU (V)	14.4
Temperature, Outside (deg C)	18
Event Signal Transmission, Complete (Yes, No)	Yes
Odometer at Event (Miles[km])	63520.3 [102226]
Ignition Cycle, Crash	8824
VIN, Original	2C3CDZAG6JH [REDACTED]
VIN Recorded at Event (last 8 characters)	JH [REDACTED]

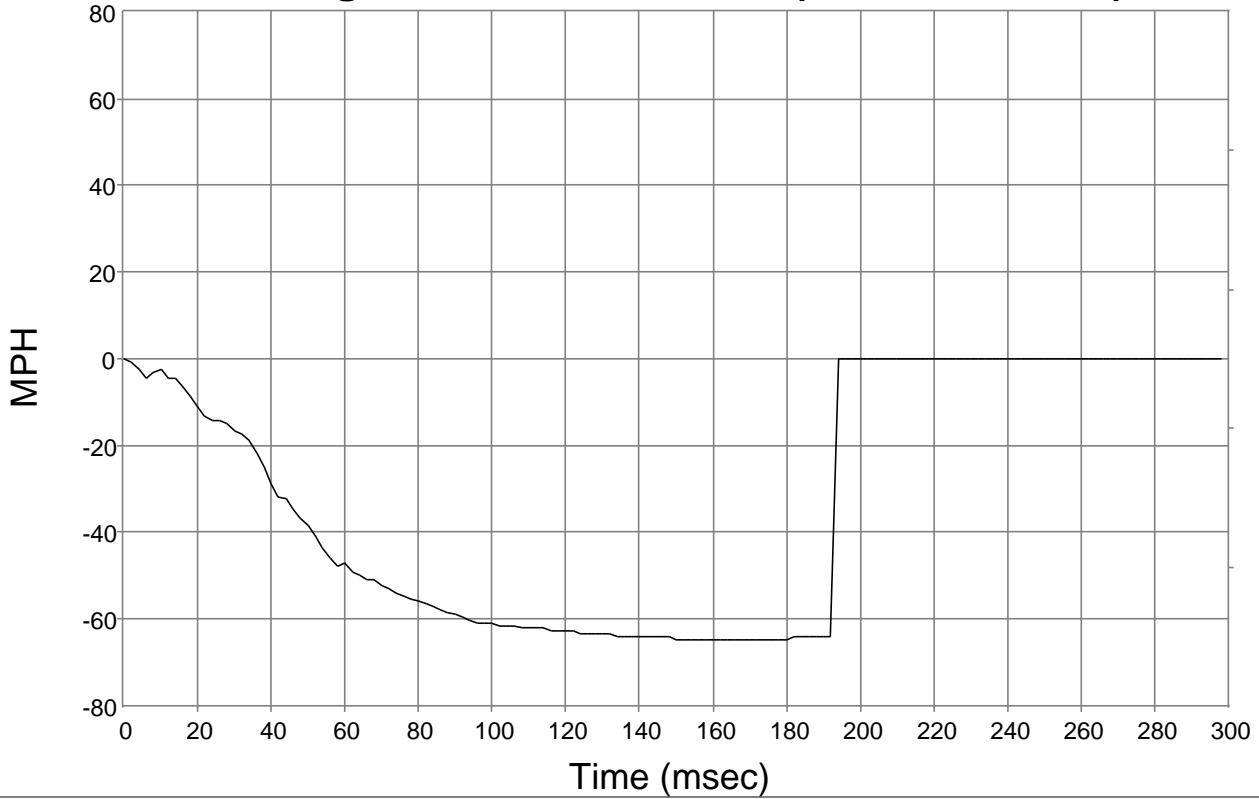
Deployment Command Data (1st Prior Event)

Frontal Airbag Deployment, Time to Deploy 1st Stage, Driver (msec)	3
Frontal Airbag Deployment, 1st Stage, Driver	Yes
Frontal Airbag Deployment, Time to Deploy 2nd Stage, Driver (msec)	8
Frontal Airbag Deployment, 2nd Stage, Driver	Yes
Frontal Airbag, Time to Deploy 1st Stage, Passenger (msec)	3
Frontal Airbag, Deployment 1st Stage, Passenger	Yes
Front Airbag, Time to Deploy 2nd Stage, Passenger (msec)	8
Front Airbag, Deployment 2nd Stage, Passenger	Yes
Buckle Pretensioner Deployment, Driver	Yes
Retractor Pretensioner Deployment, Driver	Yes
Buckle Pretensioner Deployment, Passenger	Yes
Retractor Pretensioner Deployment, Passenger	Yes
Side Seat Airbag Deployment, Front Left	Yes
Side Curtain Airbag Deployment, Left	Yes
Side Seat Airbag Deployment, Front Right	Yes
Side Curtain Airbag Deployment, Right	Yes

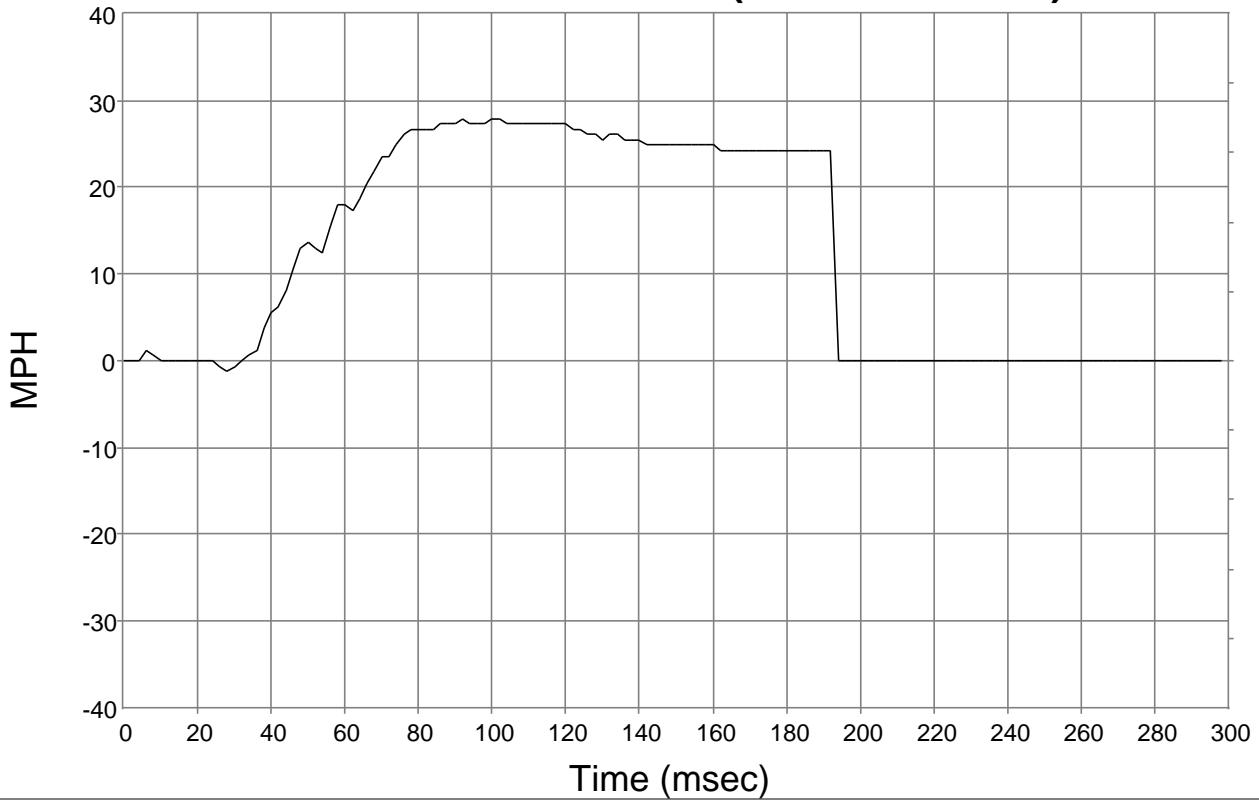
DTCs Present at Start of Event (1st Prior Event)

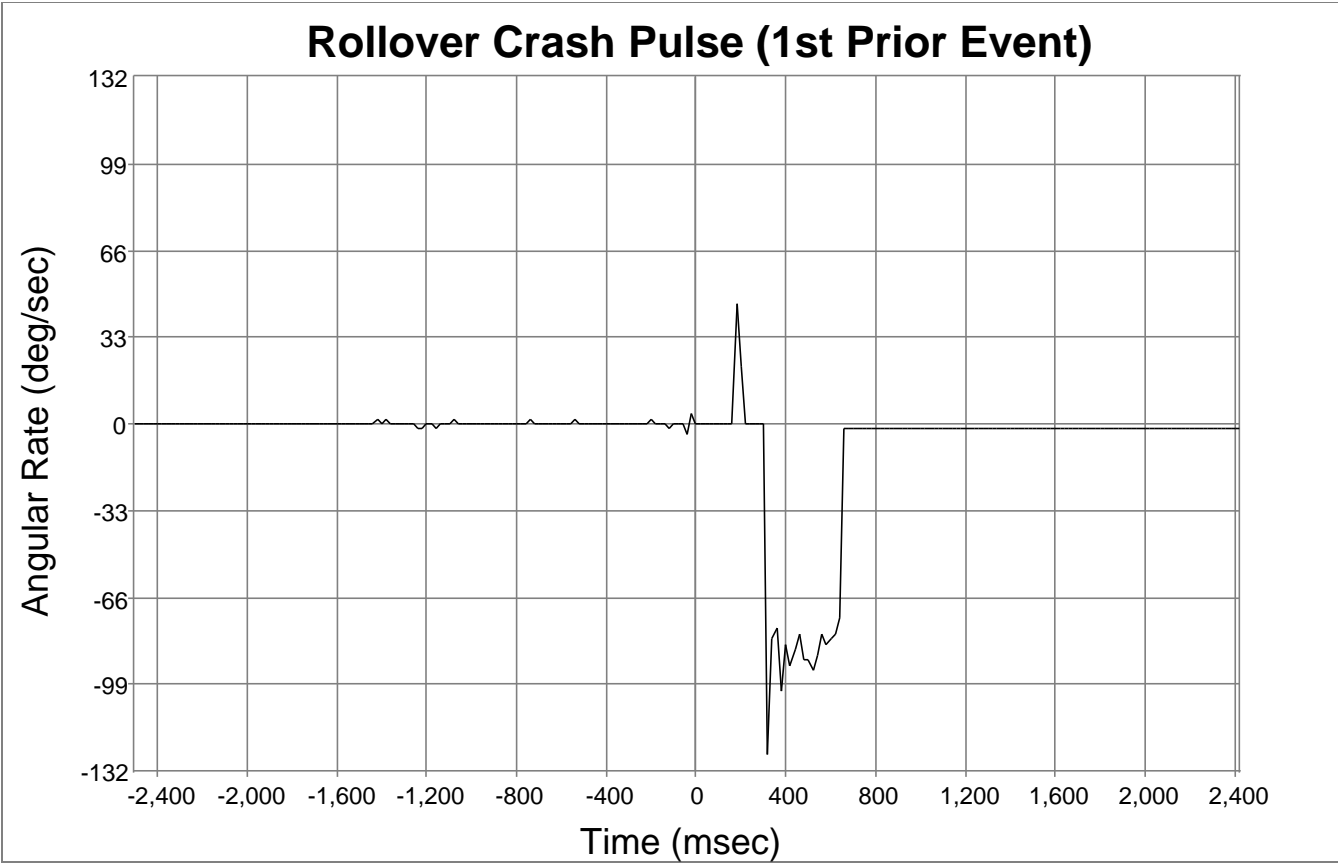
No DTCs Present

Longitudinal Crash Pulse (1st Prior Event)



Lateral Crash Pulse (1st Prior Event)





Longitudinal Crash Pulse (1st Prior Event)

Time (msec)	Delta-V, Longitudinal (MPH [km/h])
0	0.0 [0]
2	-0.6 [-1]
4	-2.5 [-4]
6	-4.3 [-7]
8	-3.1 [-5]
10	-2.5 [-4]
12	-4.3 [-7]
14	-4.3 [-7]
16	-6.2 [-10]
18	-8.7 [-14]
20	-11.2 [-18]
22	-13.0 [-21]
24	-14.3 [-23]
26	-14.3 [-23]
28	-14.9 [-24]
30	-16.8 [-27]
32	-17.4 [-28]
34	-18.6 [-30]
36	-21.7 [-35]
38	-24.9 [-40]
40	-28.6 [-46]
42	-31.7 [-51]
44	-32.3 [-52]
46	-34.8 [-56]
48	-36.7 [-59]
50	-38.5 [-62]
52	-41.0 [-66]
54	-43.5 [-70]
56	-46.0 [-74]
58	-47.8 [-77]
60	-47.2 [-76]
62	-49.1 [-79]
64	-49.7 [-80]
66	-51.0 [-82]
68	-51.0 [-82]
70	-52.2 [-84]
72	-52.8 [-85]
74	-54.1 [-87]
76	-54.7 [-88]
78	-55.3 [-89]
80	-55.9 [-90]
82	-56.5 [-91]
84	-57.2 [-92]
86	-57.8 [-93]
88	-58.4 [-94]
90	-59.0 [-95]
92	-59.7 [-96]
94	-60.3 [-97]
96	-60.9 [-98]
98	-60.9 [-98]

Time (msec)	Delta-V, Longitudinal (MPH [km/h])
100	-60.9 [-98]
102	-61.5 [-99]
104	-61.5 [-99]
106	-61.5 [-99]
108	-62.1 [-100]
110	-62.1 [-100]
112	-62.1 [-100]
114	-62.1 [-100]
116	-62.8 [-101]
118	-62.8 [-101]
120	-62.8 [-101]
122	-62.8 [-101]
124	-63.4 [-102]
126	-63.4 [-102]
128	-63.4 [-102]
130	-63.4 [-102]
132	-63.4 [-102]
134	-64.0 [-103]
136	-64.0 [-103]
138	-64.0 [-103]
140	-64.0 [-103]
142	-64.0 [-103]
144	-64.0 [-103]
146	-64.0 [-103]
148	-64.0 [-103]
150	-64.6 [-104]
152	-64.6 [-104]
154	-64.6 [-104]
156	-64.6 [-104]
158	-64.6 [-104]
160	-64.6 [-104]
162	-64.6 [-104]
164	-64.6 [-104]
166	-64.6 [-104]
168	-64.6 [-104]
170	-64.6 [-104]
172	-64.6 [-104]
174	-64.6 [-104]
176	-64.6 [-104]
178	-64.6 [-104]
180	-64.6 [-104]
182	-64.0 [-103]
184	-64.0 [-103]
186	-64.0 [-103]
188	-64.0 [-103]
190	-64.0 [-103]
192	-64.0 [-103]
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 (1st Prior Event)

Time (msec)	Delta-V, Lateral (MPH [km/h])
0	0.0 [0]
2	0.0 [0]
4	0.0 [0]
6	1.2 [2]
8	0.6 [1]
10	0.0 [0]
12	0.0 [0]
14	0.0 [0]
16	0.0 [0]
18	0.0 [0]
20	0.0 [0]
22	0.0 [0]
24	0.0 [0]
26	-0.6 [-1]
28	-1.2 [-2]
30	-0.6 [-1]
32	0.0 [0]
34	0.6 [1]
36	1.2 [2]
38	3.7 [6]
40	5.6 [9]
42	6.2 [10]
44	8.1 [13]
46	10.6 [17]
48	13.0 [21]
50	13.7 [22]
52	13.0 [21]
54	12.4 [20]
56	15.5 [25]
58	18.0 [29]
60	18.0 [29]
62	17.4 [28]
64	18.6 [30]
66	20.5 [33]
68	21.7 [35]
70	23.6 [38]
72	23.6 [38]
74	24.9 [40]
76	26.1 [42]
78	26.7 [43]
80	26.7 [43]
82	26.7 [43]
84	26.7 [43]
86	27.3 [44]
88	27.3 [44]
90	27.3 [44]
92	28.0 [45]
94	27.3 [44]
96	27.3 [44]
98	27.3 [44]

Time (msec)	Delta-V, Lateral (MPH [km/h])
100	28.0 [45]
102	28.0 [45]
104	27.3 [44]
106	27.3 [44]
108	27.3 [44]
110	27.3 [44]
112	27.3 [44]
114	27.3 [44]
116	27.3 [44]
118	27.3 [44]
120	27.3 [44]
122	26.7 [43]
124	26.7 [43]
126	26.1 [42]
128	26.1 [42]
130	25.5 [41]
132	26.1 [42]
134	26.1 [42]
136	25.5 [41]
138	25.5 [41]
140	25.5 [41]
142	24.9 [40]
144	24.9 [40]
146	24.9 [40]
148	24.9 [40]
150	24.9 [40]
152	24.9 [40]
154	24.9 [40]
156	24.9 [40]
158	24.9 [40]
160	24.9 [40]
162	24.2 [39]
164	24.2 [39]
166	24.2 [39]
168	24.2 [39]
170	24.2 [39]
172	24.2 [39]
174	24.2 [39]
176	24.2 [39]
178	24.2 [39]
180	24.2 [39]
182	24.2 [39]
184	24.2 [39]
186	24.2 [39]
188	24.2 [39]
190	24.2 [39]
192	24.2 [39]
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]

Rollover Crash Pulse (1st Prior Event) (if equipped)

Time (msec)	Angular Rate (deg/sec)
-2500	0.00
-2480	0.00
-2460	0.00
-2440	0.00
-2420	0.00
-2400	0.00
-2380	0.00
-2360	0.00
-2340	0.00
-2320	0.00
-2300	0.00
-2280	0.00
-2260	0.00
-2240	0.00
-2220	0.00
-2200	0.00
-2180	0.00
-2160	0.00
-2140	0.00
-2120	0.00
-2100	0.00
-2080	0.00
-2060	0.00
-2040	0.00
-2020	0.00
-2000	0.00
-1980	0.00
-1960	0.00
-1940	0.00
-1920	0.00
-1900	0.00
-1880	0.00
-1860	0.00
-1840	0.00
-1820	0.00
-1800	0.00
-1780	0.00
-1760	0.00
-1740	0.00
-1720	0.00
-1700	0.00
-1680	0.00
-1660	0.00
-1640	0.00
-1620	0.00
-1600	0.00
-1580	0.00
-1560	0.00
-1540	0.00
-1520	0.00

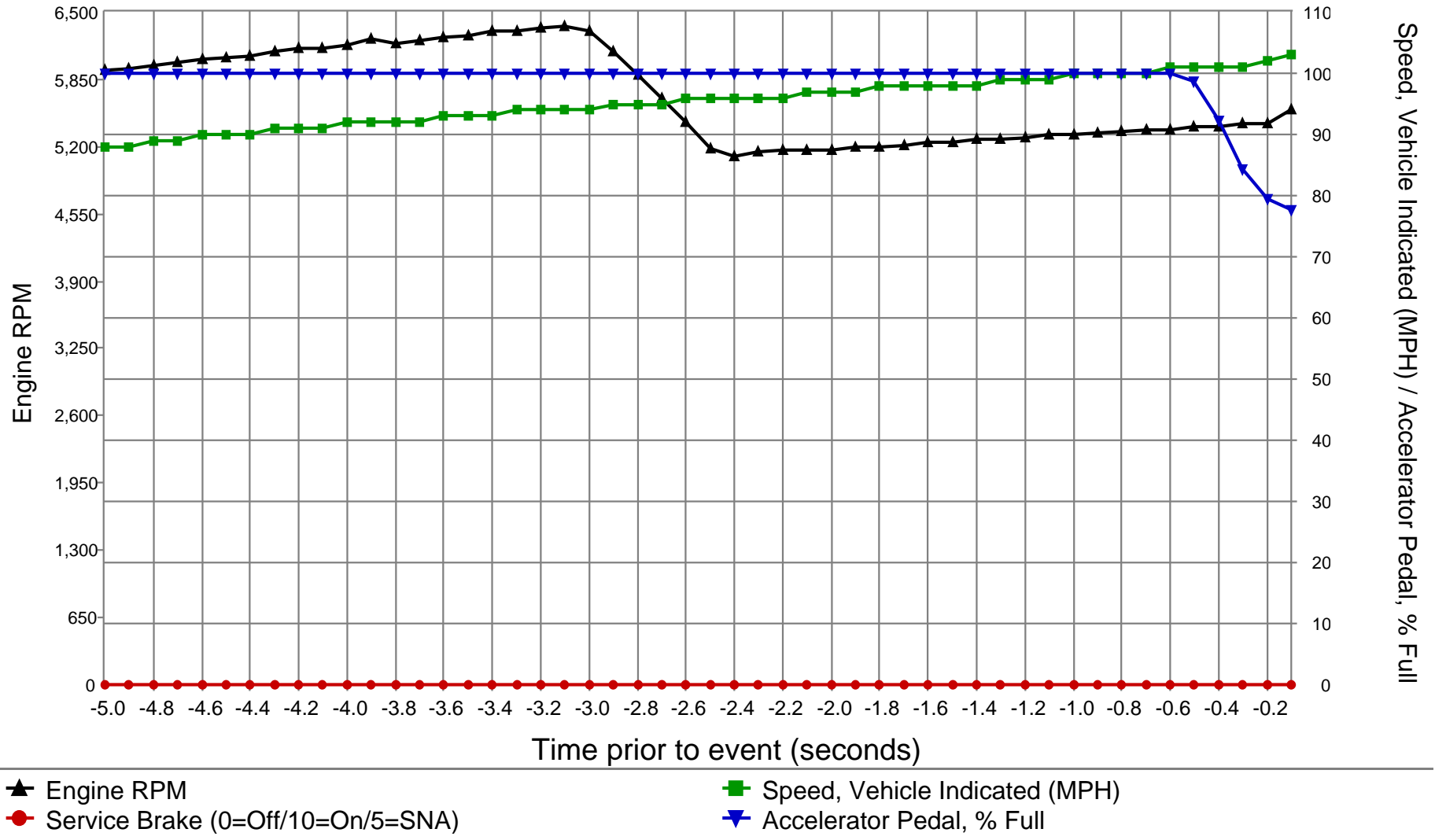
Time (msec)	Angular Rate (deg/sec)
-1500	0.00
-1480	0.00
-1460	0.00
-1440	0.00
-1420	2.00
-1400	0.00
-1380	2.00
-1360	0.00
-1340	0.00
-1320	0.00
-1300	0.00
-1280	0.00
-1260	0.00
-1240	-2.00
-1220	-2.00
-1200	0.00
-1180	0.00
-1160	-2.00
-1140	0.00
-1120	0.00
-1100	0.00
-1080	2.00
-1060	0.00
-1040	0.00
-1020	0.00
-1000	0.00
-980	0.00
-960	0.00
-940	0.00
-920	0.00
-900	0.00
-880	0.00
-860	0.00
-840	0.00
-820	0.00
-800	0.00
-780	0.00
-760	0.00
-740	2.00
-720	0.00
-700	0.00
-680	0.00
-660	0.00
-640	0.00
-620	0.00
-600	0.00
-580	0.00
-560	0.00
-540	2.00
-520	0.00

Time (msec)	Angular Rate (deg/sec)
-500	0.00
-480	0.00
-460	0.00
-440	0.00
-420	0.00
-400	0.00
-380	0.00
-360	0.00
-340	0.00
-320	0.00
-300	0.00
-280	0.00
-260	0.00
-240	0.00
-220	0.00
-200	2.00
-180	0.00
-160	0.00
-140	0.00
-120	-2.00
-100	0.00
-80	0.00
-60	0.00
-40	-4.00
-20	4.00
0	0.00
20	0.00
40	0.00
60	0.00
80	0.00
100	0.00
120	0.00
140	0.00
160	0.00
180	46.00
200	22.00
220	0.00
240	0.00
260	0.00
280	0.00
300	0.00
320	-126.00
340	-82.00
360	-78.00
380	-102.00
400	-84.00
420	-92.00
440	-86.00
460	-80.00
480	-90.00

Rollover Crash Pulse (1st Prior Event) (if equipped)

Time (msec)	Angular Rate (deg/sec)	Time (msec)	Angular Rate (deg/sec)
500	-90.00	1500	-2.00
520	-94.00	1520	-2.00
540	-88.00	1540	-2.00
560	-80.00	1560	-2.00
580	-84.00	1580	-2.00
600	-82.00	1600	-2.00
620	-80.00	1620	-2.00
640	-74.00	1640	-2.00
660	-2.00	1660	-2.00
680	-2.00	1680	-2.00
700	-2.00	1700	-2.00
720	-2.00	1720	-2.00
740	-2.00	1740	-2.00
760	-2.00	1760	-2.00
780	-2.00	1780	-2.00
800	-2.00	1800	-2.00
820	-2.00	1820	-2.00
840	-2.00	1840	-2.00
860	-2.00	1860	-2.00
880	-2.00	1880	-2.00
900	-2.00	1900	-2.00
920	-2.00	1920	-2.00
940	-2.00	1940	-2.00
960	-2.00	1960	-2.00
980	-2.00	1980	-2.00
1000	-2.00	2000	-2.00
1020	-2.00	2020	-2.00
1040	-2.00	2040	-2.00
1060	-2.00	2060	-2.00
1080	-2.00	2080	-2.00
1100	-2.00	2100	-2.00
1120	-2.00	2120	-2.00
1140	-2.00	2140	-2.00
1160	-2.00	2160	-2.00
1180	-2.00	2180	-2.00
1200	-2.00	2200	-2.00
1220	-2.00	2220	-2.00
1240	-2.00	2240	-2.00
1260	-2.00	2260	-2.00
1280	-2.00	2280	-2.00
1300	-2.00	2300	-2.00
1320	-2.00	2320	-2.00
1340	-2.00	2340	-2.00
1360	-2.00	2360	-2.00
1380	-2.00	2380	-2.00
1400	-2.00	2400	-2.00
1420	-2.00	2420	-2.00
1440	-2.00		
1460	-2.00		
1480	-2.00		

Pre-Crash Data (1st Prior Event)



SNA values will not be plotted on the graph

Pre-Crash Data (1st Prior 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	Engine RPM	ABS Activity	Stability Control	Steering Input (deg)
-5.0	Complete	88 [142]	100	100	Off	5,939	No	On	4
-4.9	Complete	88 [142]	100	100	Off	5,955	No	On	4
-4.8	Complete	89 [143]	100	100	Off	5,981	No	On	4
-4.7	Complete	89 [143]	100	100	Off	6,008	No	On	-2
-4.6	Complete	90 [144]	100	100	Off	6,039	No	On	-9
-4.5	Complete	90 [145]	100	100	Off	6,064	No	On	-7
-4.4	Complete	90 [145]	100	100	Off	6,080	No	On	3
-4.3	Complete	91 [146]	100	100	Off	6,118	No	On	9
-4.2	Complete	91 [147]	100	100	Off	6,146	No	On	7
-4.1	Complete	91 [147]	100	100	Off	6,148	No	On	3
-4.0	Complete	92 [147]	100	100	Off	6,186	No	On	2
-3.9	Complete	92 [148]	100	100	Off	6,246	No	On	3
-3.8	Complete	92 [149]	100	100	Off	6,201	No	On	4
-3.7	Complete	92 [149]	100	100	Off	6,232	No	On	2
-3.6	Complete	93 [149]	100	100	Off	6,263	No	On	1
-3.5	Complete	93 [150]	100	100	Off	6,275	No	On	3
-3.4	Complete	93 [150]	100	100	Off	6,322	No	On	2
-3.3	Complete	94 [151]	100	100	Off	6,313	No	On	3
-3.2	Complete	94 [151]	100	100	Off	6,345	No	On	3
-3.1	Complete	94 [152]	100	100	Off	6,371	No	On	3
-3.0	Complete	94 [152]	100	100	Off	6,318	No	On	3
-2.9	Complete	95 [152]	100	100	Off	6,118	No	On	3
-2.8	Complete	95 [153]	100	100	Off	5,894	No	On	4
-2.7	Complete	95 [154]	100	100	Off	5,665	No	On	4
-2.6	Complete	96 [154]	100	100	Off	5,444	No	On	4
-2.5	Complete	96 [154]	100	100	Off	5,189	No	On	3
-2.4	Complete	96 [154]	100	100	Off	5,112	No	On	3
-2.3	Complete	96 [155]	100	100	Off	5,150	No	On	3
-2.2	Complete	96 [155]	100	100	Off	5,160	No	On	3
-2.1	Complete	97 [156]	100	100	Off	5,160	No	On	3
-2.0	Complete	97 [156]	100	100	Off	5,173	No	On	2
-1.9	Complete	97 [156]	100	100	Off	5,202	No	On	1
-1.8	Complete	98 [157]	100	100	Off	5,203	No	On	2
-1.7	Complete	98 [157]	100	100	Off	5,217	No	On	2
-1.6	Complete	98 [158]	100	100	Off	5,242	No	On	2
-1.5	Complete	98 [158]	100	100	Off	5,240	No	On	2
-1.4	Complete	98 [158]	100	100	Off	5,269	No	On	2
-1.3	Complete	99 [159]	100	100	Off	5,270	No	On	1
-1.2	Complete	99 [159]	100	100	Off	5,294	No	On	3
-1.1	Complete	99 [160]	100	100	Off	5,311	No	On	2
-1.0	Complete	100 [160]	100	100	Off	5,316	No	On	2
-0.9	Complete	100 [161]	100	100	Off	5,339	No	On	3
-0.8	Complete	100 [161]	100	100	Off	5,345	No	On	3
-0.7	Complete	100 [161]	100	100	Off	5,365	No	On	3
-0.6	Complete	101 [162]	100	100	Off	5,362	No	On	3
-0.5	Complete	101 [162]	99	100	Off	5,397	No	On	3
-0.4	Complete	101 [163]	92	100	Off	5,393	No	On	3
-0.3	Complete	101 [163]	84	100	Off	5,418	No	On	3
-0.2	Complete	102 [164]	80	100	Off	5,424	No	On	4
-0.1	Complete	103 [166]	78	100	Off	5,557	No	On	5

Pre-Crash Data (1st Prior 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 (deg/sec)	Wheel Speed LF (RPM)	Wheel Speed RF (RPM)	Wheel Speed LR (RPM)	Wheel Speed RR (RPM)	ETC Lamp	ETC Lamp Flashing
-5.0	91	Off	0	1,066	1,068	1,081	1,082	No	No
-4.9	91	Off	0	1,073	1,074	1,083	1,082	No	No
-4.8	92	Off	0	1,076	1,078	1,085	1,090	No	No
-4.7	91	Off	0	1,079	1,081	1,090	1,091	No	No
-4.6	91	Off	-1	1,083	1,083	1,099	1,094	No	No
-4.5	92	Off	-4	1,089	1,087	1,101	1,101	No	No
-4.4	91	Off	-3	1,094	1,090	1,107	1,109	No	No
-4.3	91	Off	0	1,097	1,099	1,111	1,112	No	No
-4.2	92	Off	3	1,098	1,103	1,113	1,112	No	No
-4.1	91	Off	2	1,101	1,108	1,116	1,117	No	No
-4.0	91	Off	0	1,104	1,107	1,119	1,120	No	No
-3.9	92	Off	-1	1,109	1,109	1,134	1,126	No	No
-3.8	91	Off	0	1,115	1,117	1,130	1,131	No	No
-3.7	91	Off	0	1,120	1,120	1,133	1,134	No	No
-3.6	92	Off	0	1,125	1,127	1,137	1,137	No	No
-3.5	92	Off	-1	1,129	1,129	1,140	1,141	No	No
-3.4	92	Off	0	1,132	1,135	1,143	1,147	No	No
-3.3	92	Off	0	1,133	1,137	1,146	1,152	No	No
-3.2	92	Off	0	1,139	1,140	1,149	1,154	No	No
-3.1	92	Off	0	1,143	1,144	1,152	1,154	No	No
-3.0	91	Off	0	1,144	1,149	1,153	1,156	No	No
-2.9	91	Off	0	1,148	1,151	1,157	1,157	No	No
-2.8	92	Off	0	1,150	1,153	1,159	1,161	No	No
-2.7	92	Off	0	1,155	1,155	1,174	1,166	No	No
-2.6	91	Off	0	1,157	1,158	1,168	1,169	No	No
-2.5	91	Off	0	1,160	1,161	1,169	1,173	No	No
-2.4	92	Off	0	1,164	1,166	1,174	1,177	No	No
-2.3	93	Off	0	1,166	1,168	1,179	1,181	No	No
-2.2	93	Off	0	1,167	1,170	1,181	1,185	No	No
-2.1	92	Off	0	1,172	1,172	1,186	1,187	No	No
-2.0	92	Off	0	1,174	1,177	1,189	1,189	No	No
-1.9	93	Off	0	1,176	1,179	1,192	1,192	No	No
-1.8	92	Off	0	1,181	1,182	1,194	1,197	No	No
-1.7	92	Off	0	1,183	1,185	1,198	1,199	No	No
-1.6	93	Off	0	1,188	1,189	1,201	1,203	No	No
-1.5	93	Off	0	1,192	1,193	1,203	1,206	No	No
-1.4	92	Off	0	1,195	1,196	1,207	1,208	No	No
-1.3	91	Off	0	1,197	1,198	1,209	1,212	No	No
-1.2	92	Off	0	1,200	1,200	1,213	1,216	No	No
-1.1	93	Off	0	1,201	1,202	1,218	1,220	No	No
-1.0	93	Off	0	1,205	1,207	1,221	1,225	No	No
-0.9	92	Off	0	1,207	1,209	1,224	1,226	No	No
-0.8	92	Off	0	1,213	1,214	1,226	1,230	No	No
-0.7	92	Off	0	1,214	1,217	1,229	1,230	No	No
-0.6	91	Off	0	1,216	1,219	1,233	1,233	No	No
-0.5	91	Off	0	1,220	1,223	1,237	1,236	No	No
-0.4	91	Off	0	1,223	1,226	1,235	1,236	No	No
-0.3	91	Off	0	1,227	1,229	1,239	1,241	No	No
-0.2	91	Off	0	1,220	1,226	1,245	1,247	No	No
-0.1	91	Off	0	1,239	1,235	1,253	1,255	No	No

Pre-Crash Data (1st Prior Event - table 3 of 4)
 (the most recent sampled values are recorded prior to the event)

Time Stamp (sec)	Gear Position (ATX)	Reverse Gear (MTX)	Tire Pressure Monitor Indicator Lamp	Tire Pressure Status, LF	Tire Pressure Status, RF	Tire Pressure Status, LR	Tire Pressure Status, RR	Tire Pressure, LF (psi)	Tire Pressure, RF (psi)
-5.0	Drive	Not Reverse	Off	Normal	Normal	Normal	Normal	33	34
-4.9	Drive	Not Reverse	Off	Normal	Normal	Normal	Normal	33	34
-4.8	Drive	Not Reverse	Off	Normal	Normal	Normal	Normal	33	34
-4.7	Drive	Not Reverse	Off	Normal	Normal	Normal	Normal	33	34
-4.6	Drive	Not Reverse	Off	Normal	Normal	Normal	Normal	33	34
-4.5	Drive	Not Reverse	Off	Normal	Normal	Normal	Normal	33	34
-4.4	Drive	Not Reverse	Off	Normal	Normal	Normal	Normal	33	34
-4.3	Drive	Not Reverse	Off	Normal	Normal	Normal	Normal	33	34
-4.2	Drive	Not Reverse	Off	Normal	Normal	Normal	Normal	33	34
-4.1	Drive	Not Reverse	Off	Normal	Normal	Normal	Normal	33	34
-4.0	Drive	Not Reverse	Off	Normal	Normal	Normal	Normal	33	34
-3.9	Drive	Not Reverse	Off	Normal	Normal	Normal	Normal	33	34
-3.8	Drive	Not Reverse	Off	Normal	Normal	Normal	Normal	33	34
-3.7	Drive	Not Reverse	Off	Normal	Normal	Normal	Normal	33	34
-3.6	Drive	Not Reverse	Off	Normal	Normal	Normal	Normal	33	34
-3.5	Drive	Not Reverse	Off	Normal	Normal	Normal	Normal	33	34
-3.4	Drive	Not Reverse	Off	Normal	Normal	Normal	Normal	33	34
-3.3	Drive	Not Reverse	Off	Normal	Normal	Normal	Normal	33	34
-3.2	Drive	Not Reverse	Off	Normal	Normal	Normal	Normal	33	34
-3.1	Drive	Not Reverse	Off	Normal	Normal	Normal	Normal	33	34
-3.0	Drive	Not Reverse	Off	Normal	Normal	Normal	Normal	33	34
-2.9	Drive	Not Reverse	Off	Normal	Normal	Normal	Normal	33	34
-2.8	Drive	Not Reverse	Off	Normal	Normal	Normal	Normal	33	34
-2.7	Drive	Not Reverse	Off	Normal	Normal	Normal	Normal	33	34
-2.6	Drive	Not Reverse	Off	Normal	Normal	Normal	Normal	33	34
-2.5	Drive	Not Reverse	Off	Normal	Normal	Normal	Normal	33	34
-2.4	Drive	Not Reverse	Off	Normal	Normal	Normal	Normal	33	34
-2.3	Drive	Not Reverse	Off	Normal	Normal	Normal	Normal	33	34
-2.2	Drive	Not Reverse	Off	Normal	Normal	Normal	Normal	33	34
-2.1	Drive	Not Reverse	Off	Normal	Normal	Normal	Normal	33	34
-2.0	Drive	Not Reverse	Off	Normal	Normal	Normal	Normal	33	34
-1.9	Drive	Not Reverse	Off	Normal	Normal	Normal	Normal	33	34
-1.8	Drive	Not Reverse	Off	Normal	Normal	Normal	Normal	33	34
-1.7	Drive	Not Reverse	Off	Normal	Normal	Normal	Normal	33	34
-1.6	Drive	Not Reverse	Off	Normal	Normal	Normal	Normal	33	34
-1.5	Drive	Not Reverse	Off	Normal	Normal	Normal	Normal	33	34
-1.4	Drive	Not Reverse	Off	Normal	Normal	Normal	Normal	33	34
-1.3	Drive	Not Reverse	Off	Normal	Normal	Normal	Normal	33	34
-1.2	Drive	Not Reverse	Off	Normal	Normal	Normal	Normal	33	34
-1.1	Drive	Not Reverse	Off	Normal	Normal	Normal	Normal	33	34
-1.0	Drive	Not Reverse	Off	Normal	Normal	Normal	Normal	33	34
-0.9	Drive	Not Reverse	Off	Normal	Normal	Normal	Normal	33	34
-0.8	Drive	Not Reverse	Off	Normal	Normal	Normal	Normal	33	34
-0.7	Drive	Not Reverse	Off	Normal	Normal	Normal	Normal	33	34
-0.6	Drive	Not Reverse	Off	Normal	Normal	Normal	Normal	33	34
-0.5	Drive	Not Reverse	Off	Normal	Normal	Normal	Normal	33	34
-0.4	Drive	Not Reverse	Off	Normal	Normal	Normal	Normal	33	34
-0.3	Drive	Not Reverse	Off	Normal	Normal	Normal	Normal	33	34
-0.2	Drive	Not Reverse	Off	Normal	Normal	Normal	Normal	33	34
-0.1	Drive	Not Reverse	Off	Normal	Normal	Normal	Normal	33	34

Pre-Crash Data (1st Prior Event - table 4 of 4)

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

Time Stamp (sec)	Tire Pressure, LR (psi)	Tire Pressure, RR (psi)	Cruise Control Status	Cruise Control Engaged	Adaptive Cruise Control Status (if equip.)	ACC Speed Set (MPH) (if equip.)	Object of Interest Distance (if equip.)	Forward Collision Warning Lamp Status (if equip.)
-5.0	38	34	Off	Not Engaged	Off	SNA	SNA	Off
-4.9	38	34	Off	Not Engaged	Off	SNA	SNA	Off
-4.8	38	34	Off	Not Engaged	Off	SNA	SNA	Off
-4.7	38	34	Off	Not Engaged	Off	SNA	SNA	Off
-4.6	38	34	Off	Not Engaged	Off	SNA	SNA	Off
-4.5	38	34	Off	Not Engaged	Off	SNA	SNA	Off
-4.4	38	34	Off	Not Engaged	Off	SNA	SNA	Off
-4.3	38	34	Off	Not Engaged	Off	SNA	SNA	Off
-4.2	38	34	Off	Not Engaged	Off	SNA	SNA	Off
-4.1	38	34	Off	Not Engaged	Off	SNA	SNA	Off
-4.0	38	34	Off	Not Engaged	Off	SNA	SNA	Off
-3.9	38	34	Off	Not Engaged	Off	SNA	SNA	Off
-3.8	38	34	Off	Not Engaged	Off	SNA	SNA	Off
-3.7	38	34	Off	Not Engaged	Off	SNA	SNA	Off
-3.6	38	34	Off	Not Engaged	Off	SNA	SNA	Off
-3.5	39	34	Off	Not Engaged	Off	SNA	SNA	Off
-3.4	39	34	Off	Not Engaged	Off	SNA	SNA	Off
-3.3	39	34	Off	Not Engaged	Off	SNA	SNA	Off
-3.2	39	34	Off	Not Engaged	Off	SNA	SNA	Off
-3.1	39	34	Off	Not Engaged	Off	SNA	SNA	Off
-3.0	39	34	Off	Not Engaged	Off	SNA	SNA	Off
-2.9	39	34	Off	Not Engaged	Off	SNA	SNA	Off
-2.8	39	34	Off	Not Engaged	Off	SNA	SNA	Off
-2.7	39	34	Off	Not Engaged	Off	SNA	SNA	Off
-2.6	39	34	Off	Not Engaged	Off	SNA	SNA	Off
-2.5	39	34	Off	Not Engaged	Off	SNA	SNA	Off
-2.4	39	34	Off	Not Engaged	Off	SNA	SNA	Off
-2.3	39	34	Off	Not Engaged	Off	SNA	SNA	Off
-2.2	39	34	Off	Not Engaged	Off	SNA	SNA	Off
-2.1	39	34	Off	Not Engaged	Off	SNA	SNA	Off
-2.0	39	34	Off	Not Engaged	Off	SNA	SNA	Off
-1.9	39	34	Off	Not Engaged	Off	SNA	SNA	Off
-1.8	39	34	Off	Not Engaged	Off	SNA	SNA	Off
-1.7	39	34	Off	Not Engaged	Off	SNA	SNA	Off
-1.6	39	34	Off	Not Engaged	Off	SNA	SNA	Off
-1.5	39	34	Off	Not Engaged	Off	SNA	SNA	Off
-1.4	39	34	Off	Not Engaged	Off	SNA	SNA	Off
-1.3	39	34	Off	Not Engaged	Off	SNA	SNA	Off
-1.2	39	34	Off	Not Engaged	Off	SNA	SNA	Off
-1.1	39	34	Off	Not Engaged	Off	SNA	SNA	Off
-1.0	39	34	Off	Not Engaged	Off	SNA	SNA	Off
-0.9	39	34	Off	Not Engaged	Off	SNA	SNA	Off
-0.8	39	34	Off	Not Engaged	Off	SNA	SNA	Off
-0.7	39	34	Off	Not Engaged	Off	SNA	SNA	Off
-0.6	39	34	Off	Not Engaged	Off	SNA	SNA	Off
-0.5	39	34	Off	Not Engaged	Off	SNA	SNA	Off
-0.4	39	34	Off	Not Engaged	Off	SNA	SNA	Off
-0.3	39	34	Off	Not Engaged	Off	SNA	SNA	Off
-0.2	39	34	Off	Not Engaged	Off	SNA	SNA	Off
-0.1	39	34	Off	Not Engaged	Off	SNA	SNA	Off

71 01 03 01 01 01 CC 00 FF FF 00 3F FF 3F FF 3F FF 3F FF FF FF 06 00 00 03 00 FF FF FF FF FF FF
FF 00 00 00 00 00 00 00 00 00 00 3F FF 00 00 00 00 00 00 00 00 00 00 FF 00 00 00 00 00 00 51 BD
00 04 04 20 00 00 21 22 27 22 FF 20 00 00 00 00 00 00 00 FF FF FF FF 00 00 00 00 20 04 00 66 70 00 CC
8B 00 00 FF 00 F8 00 00 FF 38 03 FF 01 00 00 00 03 08 03 36 51 01 F8 00 C9 00 00 00 00 00 FC 00 00
00 FF 00 00 00 00

71 01 03 01 01 02 CC 00 FF FF 00 3F FF 3F FF 3F FF 3F FF FF FF 06 00 00 03 00 FF FF FF FF FF FF
FF 00 00 00 00 00 00 00 00 00 00 3F FF 00 00 00 00 00 00 00 00 00 00 FF 00 00 00 00 00 00 51 BD
00 04 04 20 00 00 21 22 27 22 FF 20 00 00 00 00 00 00 00 FF FF FF FF 00 00 00 00 00 04 00 66 70 00 CC
8B 00 00 FF 00 F8 00 00 FF 38 03 FF 01 00 00 00 03 08 03 36 51 01 F8 00 C9 00 00 00 00 00 FC 00 00
00 FF 00 00 00 00

71 01 03 01 01 03 CC 00 FF FF 00 3F FF 3F FF 3F FF 3F FF FF FF 06 00 00 03 00 FF FF FF FF FF FF
FF 00 00 00 00 00 00 00 00 00 00 3F FF 00 00 00 00 00 00 00 00 00 00 FF 00 00 00 00 00 00 51 BD
00 04 04 20 00 00 21 22 27 22 FF 20 00 00 00 00 00 00 00 FF FF FF FF 00 00 00 00 00 04 00 66 70 00 CC
8B 00 00 FF 00 F8 00 00 FF 38 03 FF 01 00 00 00 03 08 03 36 51 01 F8 00 C9 00 00 00 00 00 FC 00 00
00 FF 00 00 00 00

71 01 03 01 01 04 CC 00 FF FF 00 3F FF 3F FF 3F FF 3F FF FF FF 06 00 00 03 00 FF FF FF FF FF FF
FF 00 00 00 00 00 00 00 00 00 00 3F FF 00 00 00 00 00 00 00 00 00 00 FF 00 00 00 00 00 00 51 BD
00 04 04 20 00 00 21 22 27 22 FF 20 00 00 00 00 00 00 00 FF FF FF FF 00 00 00 00 20 04 00 66 60 00 CC
8B 00 00 FF 00 F8 00 00 FF 38 03 FF 01 00 00 00 03 08 03 36 51 01 F8 00 C9 00 00 00 00 00 FC 00 00
00 FF 00 00 00 00

71 01 03 01 01 05 CC 00 FF FF 00 3F FF 3F FF 3F FF 3F FF FF FF 06 00 00 03 00 FF FF FF FF FF FF
FF 00 00 00 00 00 00 00 00 00 00 3F FF 00 00 00 00 00 00 00 00 00 00 FF 00 00 00 00 00 00 51 BD
00 04 07 20 00 00 21 22 27 22 FF 20 00 00 00 00 00 00 00 FF FF FF FF 00 00 00 00 20 04 00 66 F0 00 CC
8B 00 00 FF 00 F8 00 00 FF 38 03 FF 01 00 00 00 03 08 03 36 51 01 F8 00 C9 00 00 00 00 00 FF 00 00
00 FF 00 00 00 00

71 01 03 01 01 06 CC 00 FF FF 00 3F FF 3F FF 3F FF 3F FF FF FF 06 00 00 03 00 FF FF FF FF FF FF
FF 00 00 00 00 00 00 00 00 00 00 3F FF 00 00 00 00 00 00 00 00 00 00 FF 00 00 00 00 00 00 51 BD
00 04 07 20 00 00 21 22 27 22 FF 20 00 00 00 00 00 00 00 FF FF FF FF 00 00 00 00 20 04 00 66 40 00 CC
8B 00 00 FF 00 F8 00 00 FF 38 03 FF 01 00 00 00 03 08 03 36 51 01 F8 00 C9 00 00 00 00 00 FC 00 00
00 FF 00 00 00 00

71 01 03 01 01 07 CC 00 FF FF 00 3F FF 3F FF 3F FF 3F FF FF FF 06 00 00 03 00 DC 23 D7 6C 75 9D
C2 C0 00 00 00 00 00 00 00 00 00 3F FF 00 00 00 00 00 00 00 00 00 00 FF 00 00 00 00 00 00 51 BD
00 04 07 20 00 00 21 22 27 22 FF 20 00 00 00 00 00 00 6C 6C 70 70 0D 4F 00 00 20 04 00 66 40 00 CC
8B 00 00 FF 00 F8 00 00 FF 38 03 FF 01 00 00 00 03 08 03 36 51 01 F8 00 C9 00 00 00 00 00 FC 00 00
00 FA 00 00 00 00

71 01 03 01 01 08 CC 00 FF FF 00 3F FF 3F FF 3F FF 3F FF FF FF 06 00 00 03 00 DC 23 D7 6C 75 9D
C2 C0 00 00 00 00 00 00 00 00 00 0F FB 00 00 00 00 00 00 00 00 00 00 FF 00 00 00 00 00 00 51 BD
00 00 07 20 00 00 21 22 27 22 FF 20 00 00 00 00 00 6C 6C 70 70 0D 4F 00 00 20 04 00 66 40 00 CC
8B 00 00 FF 00 F8 00 00 FF 38 03 FF 01 00 00 00 03 08 03 36 51 01 F8 00 C9 00 00 00 00 00 FC 00 00
00 FA 00 00 00 00

71 01 03 01 01 09 CC 00 FF FF 00 09 CE 09 BF 09 B8 09 BC 81 04 00 00 00 00 00 00 DC 23 D7 6C 75 9D
C2 C0 00 00 00 00 00 00 00 00 00 3F FF 00 00 00 00 00 00 00 00 00 00 FF 00 00 00 00 00 00 51 BD
00 04 04 20 00 00 21 22 27 22 FF 22 00 00 00 00 00 6C 6C 70 70 0D 4F 00 00 00 04 00 66 40 00 CC
8B 00 00 FF 00 F8 FF 1F 53 38 01 48 01 00 00 00 00 08 03 36 51 01 F8 00 C9 00 00 00 00 00 FC 00 00
00 FA 00 00 00 00

71 01 03 01 01 0A CC 00 15 B5 00 09 CE 09 CA 09 AE 09 A5 80 2E 00 00 00 00 00 DD 23 AA 55 72 8C
C2 C0 00 00 00 00 00 00 00 00 10 09 00 00 00 00 00 00 00 00 00 00 FF 00 00 00 00 00 00 53 0C
00 00 04 20 00 00 21 22 27 22 FF 22 00 00 00 00 00 6C 6C 70 70 0D 4F 00 00 00 04 00 66 40 00 CC
8B 00 00 FF 00 F8 FF 1F 53 38 01 48 01 00 00 00 00 08 02 FF 51 01 BD 00 C2 00 00 00 00 00 FC 00 00
00 FA 00 00 00 00

71 01 03 01 01 0B CC 00 15 30 00 09 BD 09 B9 09 87 09 94 7F DA 00 00 00 00 00 DD 23 AE 57 72 8F
C2 C0 00 00 00 00 00 00 00 00 10 07 00 00 00 00 00 00 00 00 00 00 FF 00 00 00 00 00 00 51 DA
00 00 04 20 00 00 21 22 27 22 FF 22 00 00 00 00 00 6C 6C 70 70 0D 47 00 00 00 04 00 66 40 00 CC
8B 00 00 FF 00 F8 FF 1F 53 38 01 42 01 00 00 00 00 08 04 4D 51 02 04 00 C7 00 00 00 00 00 FC 00 00
00 FA 00 00 00 00

71 01 03 01 01 0C CC 00 15 2A 00 09 B1 09 AE 09 96 09 9A 7F FA 00 00 00 00 00 DD 23 B8 5C 72 9E
C2 C0 00 00 00 00 00 00 00 00 10 05 00 00 00 00 00 00 00 00 00 FF 00 00 00 00 00 00 51 9C
00 00 04 20 00 00 21 22 27 22 FF 22 00 00 00 00 00 6D 6D 6F 6F 0D 4C 00 00 00 04 00 66 40 00 CC
8B 00 00 FF 00 F8 FF 1F 53 38 01 43 01 00 00 00 00 08 03 A2 51 01 FE 00 D3 00 00 00 00 FC 00 00
00 FA 00 00 00 00 00

71 01 03 01 01 0D CC 00 15 11 00 09 A8 09 A6 09 8D 09 94 80 07 00 00 00 00 00 DD 23 C5 63 72 A8
C2 C0 00 00 00 00 00 00 00 00 10 06 00 00 00 00 00 00 00 00 00 FF 00 00 00 00 00 00 51 6A
00 00 04 20 00 00 21 22 27 22 FF 22 00 00 00 00 00 6D 6C 6F 6F 0D 46 00 00 00 04 00 66 40 00 CC
8B 00 00 FF 00 F8 FF 1F 53 38 01 42 01 00 00 00 00 08 03 EA 51 01 FD 00 E7 00 00 00 00 FC 00 00
00 FA 00 00 00 00 00

71 01 03 01 01 0E CC 00 15 15 00 09 A8 09 A9 09 87 09 8D 80 10 00 00 00 00 00 DD 23 D2 69 72 B6
C2 C0 00 00 00 00 00 00 00 00 10 06 00 00 00 00 00 00 00 00 00 FF 00 00 00 00 00 00 51 3E
00 00 04 20 00 00 21 22 27 22 FF 22 00 00 00 00 00 6C 6D 6F 6F 0D 51 00 00 00 04 00 66 40 00 CC
8B 00 00 FF 00 F8 FF 1F 53 38 01 41 01 00 00 00 00 08 03 F7 51 02 01 00 F7 00 00 00 00 FC 00 00
00 FA 00 00 00 00 00

71 01 03 01 01 0F CC 00 14 F2 00 09 A2 09 A2 09 80 09 85 80 05 00 00 00 00 00 DD 23 DF 6F 72 C0
C2 C0 00 00 00 00 00 00 00 00 10 05 00 00 00 00 00 00 00 00 00 FF 00 00 00 00 00 00 50 F5
00 00 04 20 00 00 21 22 27 22 FF 22 00 00 00 00 00 6C 6C 6E 6E 0D 44 00 00 00 04 00 66 40 00 CC
8B 00 00 FF 00 F8 FF 1F 53 38 01 40 01 00 00 00 00 08 03 AC 51 01 FD 00 FA 00 00 00 00 FC 00 00
00 FA 00 00 00 00 00

71 01 03 01 01 10 CC 00 14 F5 00 09 9C 09 9A 09 7C 09 82 80 08 00 00 00 00 00 DC 23 DF 70 73 C0
C2 C0 00 00 00 00 00 00 00 00 10 05 00 00 00 00 00 00 00 00 00 FF 00 00 00 00 00 00 50 B5
00 00 04 20 00 00 21 22 27 22 FF 22 00 00 00 00 00 6C 6C 6E 6E 0D 4D 00 00 00 04 00 66 40 00 CC
8B 00 00 FF 00 F8 FF 1F 53 38 01 40 01 00 00 00 00 08 03 7F 51 01 F5 00 FA 00 00 00 00 FC 00 00
00 F9 00 00 00 00 00

71 01 03 01 01 11 CC 00 14 E1 00 09 9C 09 93 09 79 09 7B 7F F8 00 00 00 00 00 DC 23 E1 70 73 C4
C2 C0 00 00 00 00 00 00 00 00 10 05 00 00 00 00 00 00 00 00 00 FF 00 00 00 00 00 00 50 8E
00 00 04 20 00 00 21 22 27 22 FF 22 00 00 00 00 00 6C 6C 6D 6D 0D 43 00 00 00 04 00 66 40 00 CC
8B 00 00 FF 00 F8 FF 1F 53 38 01 3F 01 00 00 00 00 08 03 92 51 01 F8 00 FA 00 00 00 00 FC 00 00
00 FA 00 00 00 00 00

71 01 03 01 01 12 CC 00 14 DB 00 09 94 09 8F 09 6D 09 72 7F E7 00 00 00 00 00 DD 23 E9 74 73 C4
C2 C0 00 00 00 00 00 00 00 00 10 05 00 00 00 00 00 00 00 00 00 FF 00 00 00 00 00 00 50 58
00 00 04 20 00 00 21 22 27 22 FF 22 00 00 00 00 00 6C 6C 6D 6D 0D 4D 00 00 00 04 00 66 40 00 CC
8B 00 00 FF 00 F8 FF 1F 53 38 01 3E 01 00 00 00 00 08 03 E1 51 01 FB 00 FA 00 00 00 00 FC 00 00
00 FA 00 00 00 00 00

71 01 03 01 01 13 CC 00 14 C4 00 09 91 09 8A 09 69 09 6D 7F E2 00 00 00 00 00 DD 23 E9 74 74 C4
C2 C0 00 00 00 00 00 00 00 00 10 04 00 00 00 00 00 00 00 00 00 FF 00 00 00 00 00 00 50 2E
00 00 04 20 00 00 21 22 27 22 FF 22 00 00 00 00 00 6C 6C 6D 6C 0D 3F 00 00 00 04 00 66 40 00 CC
8B 00 00 FF 00 F8 FF 1F 53 38 01 3D 01 00 00 00 00 08 03 8C 51 01 FA 00 FA 00 00 00 00 FC 00 00
00 FA 00 00 00 00 00

71 01 03 01 01 14 CC 00 14 BF 00 09 88 09 84 09 61 09 64 7F E0 00 00 00 00 00 DD 23 E9 00 74 C4
C2 C0 00 00 00 00 00 00 00 00 10 04 00 00 00 00 00 00 00 00 00 FF 00 00 00 00 00 00 4F EF
00 00 04 20 00 00 21 22 27 22 FF 22 00 00 00 00 00 6C 6C 6D 6D 0D 42 00 00 00 04 00 66 40 00 CC
8B 00 00 FF 00 F8 FF 1F 53 38 01 3C 01 00 00 00 00 08 03 71 51 01 F6 00 FA 00 00 00 00 FC 00 00
00 FA 00 00 00 00 00

71 01 03 01 01 15 CC 00 14 AE 00 09 80 09 79 09 60 09 5F 7F C2 00 00 00 00 00 DC 23 E9 74 73 C4
C2 C0 00 00 00 00 00 00 00 00 10 05 00 00 00 00 00 00 00 00 00 FF 00 00 00 00 00 00 4F BA
00 00 04 20 00 00 21 22 27 22 FF 22 00 00 00 00 00 6C 6C 6C 6C 0D 3B 00 00 00 04 00 66 40 00 CC
8B 00 00 FF 00 F8 FF 1F 53 38 01 3C 01 00 00 00 00 08 03 D5 51 01 FE 00 FA 00 00 00 00 FC 00 00
00 FA 00 00 00 00 00

71 01 03 01 01 16 CC 00 14 96 00 09 78 09 72 09 5A 09 5C 7F CC 00 00 00 00 00 DC 23 E9 74 72 C4
C2 C0 00 00 00 00 00 00 00 00 10 02 00 00 00 00 00 00 00 00 00 FF 00 00 00 00 00 00 4F 75
00 00 04 20 00 00 21 22 27 22 FF 22 00 00 00 00 00 6C 6C 6C 6C 0D 34 00 00 00 04 00 66 40 00 CC
8B 00 00 FF 00 F8 FF 1F 53 38 01 3B 01 00 00 00 00 08 03 30 51 01 F3 00 FA 00 00 00 00 FC 00 00
00 FA 00 00 00 00 00

71 01 03 01 01 17 CC 00 14 95 00 09 6F 09 6D 09 56 09 58 7F DC 00 00 00 00 00 DC 23 E9 74 73 C4

C2 C0 00 00 00 00 00 00 00 00 00 00 10 03 00 00 00 00 00 00 00 00 00 00 FF 00 00 00 00 00 00 4F 3E
00 00 04 20 00 00 21 22 27 22 FF 22 00 00 00 00 00 6C 6C 6C 6B 0D 37 00 00 00 04 00 66 40 00 CC
8B 00 00 FF 00 F8 FF 1F 53 38 01 3B 01 00 00 00 00 08 03 61 51 01 F8 00 FA 00 00 00 00 00 FC 00 00
00 FA 00 00 00 00 00

71 01 03 01 01 18 CC 00 14 78 00 09 6B 09 66 09 50 09 51 7F DD 00 00 00 00 00 DD 23 E9 74 74 C4
C2 C0 00 00 00 00 00 00 00 00 00 10 03 00 00 00 00 00 00 00 00 00 FF 00 00 00 00 00 00 4F 0C
00 00 04 20 00 00 21 22 27 22 FF 22 00 00 00 00 00 6C 6C 6B 6B 0D 35 00 00 00 04 00 66 40 00 CC
8B 00 00 FF 00 F8 FF 1F 53 38 01 3A 01 00 00 00 00 08 03 3F 51 01 F1 00 FA 00 00 00 00 00 FC 00 00
00 FA 00 00 00 00 00

71 01 03 01 01 19 CC 00 14 7A 00 09 65 09 62 09 48 09 4A 7F C5 00 00 00 00 00 DD 23 E9 74 74 C4
C2 C0 00 00 00 00 00 00 00 00 00 10 03 00 00 00 00 00 00 00 00 00 FF 00 00 00 00 00 00 4E D5
00 00 04 20 00 00 21 22 27 22 FF 22 00 00 00 00 00 6C 6C 6B 0D 36 00 00 00 04 00 66 40 00 CC
8B 00 00 FF 00 F8 FF 1F 53 38 01 39 01 00 00 00 00 08 03 58 51 01 F5 00 FA 00 00 00 00 00 FC 00 00
00 FA 00 00 00 00 00

71 01 03 01 01 1A CC 00 14 61 00 09 5D 09 5B 09 3E 09 42 7F BA 00 00 00 00 00 DD 23 E9 74 73 C4
C2 C0 00 00 00 00 00 00 00 00 00 10 03 00 00 00 00 00 00 00 00 00 FF 00 00 00 00 00 00 4E A2
00 00 04 20 00 00 21 22 27 22 FF 22 00 00 00 00 00 6C 6C 6B 6B 0D 26 00 00 00 04 00 66 40 00 CC
8B 00 00 FF 00 F8 FF 1F 53 38 01 38 01 00 00 00 00 08 03 44 51 01 F3 00 FA 00 00 00 00 00 FC 00 00
00 FA 00 00 00 00 00

71 01 03 01 01 1B CC 00 14 53 00 09 59 09 54 09 3A 09 3C 7F B7 00 00 00 00 00 DD 23 E9 74 73 C4
C2 C0 00 00 00 00 00 00 00 00 00 10 03 00 00 00 00 00 00 00 00 00 FF 00 00 00 00 00 00 4E 7D
00 00 04 20 00 00 21 22 27 22 FF 22 00 00 00 00 00 6C 6C 6A 6A 0D 2E 00 00 00 04 00 66 40 00 CC
8B 00 00 FF 00 F8 FF 1F 53 38 01 37 01 00 00 00 00 08 03 5D 51 01 F5 00 FA 00 00 00 00 00 FC 00 00
00 FA 00 00 00 00 00

71 01 03 01 01 1C CC 00 14 52 00 09 50 09 4F 09 2F 09 36 7F E5 00 00 00 00 00 DD 23 E9 74 74 C4
C2 C0 00 00 00 00 00 00 00 00 00 10 02 00 00 00 00 00 00 00 00 00 FF 00 00 00 00 00 00 4E 33
00 00 04 20 00 00 21 22 27 22 FF 22 00 00 00 00 00 6C 6C 6A 6A 0D 34 00 00 00 04 00 66 40 00 CC
8B 00 00 FF 00 F8 FF 1F 53 38 01 36 01 00 00 00 00 08 03 56 51 01 F9 00 FA 00 00 00 00 00 FC 00 00
00 FA 00 00 00 00 00

71 01 03 01 01 1D CC 00 14 35 00 09 4A 09 4A 09 2C 09 31 7F E9 00 00 00 00 00 DC 23 E9 74 73 C4
C2 C0 00 00 00 00 00 00 00 00 00 10 04 00 00 00 00 00 00 00 00 00 FF 00 00 00 00 00 00 4E 0E
00 00 04 20 00 00 21 22 27 22 FF 22 00 00 00 00 00 6C 6C 6A 6A 0D 2C 00 00 00 04 00 66 40 00 CC
8B 00 00 FF 00 F8 FF 1F 53 38 01 35 01 00 00 00 00 08 03 67 51 01 F7 00 FA 00 00 00 00 00 FC 00 00
00 FA 00 00 00 00 00

71 01 03 01 01 1E CC 00 14 28 00 09 45 09 43 09 28 09 28 7F DF 00 00 00 00 00 DD 23 E9 74 73 C4
C2 C0 00 00 00 00 00 00 00 00 00 10 05 00 00 00 00 00 00 00 00 00 FF 00 00 00 00 00 00 4D D4
00 00 04 20 00 00 21 22 27 22 FF 22 00 00 00 00 00 6B 6C 6A 6A 0D 24 00 00 00 04 00 66 40 00 CC
8B 00 00 FF 00 F8 FF 1F 53 38 01 34 01 00 00 00 00 08 03 A1 51 01 FD 00 FA 00 00 00 00 00 FC 00 00
00 FA 00 00 00 00 00

71 01 03 01 01 1F CC 00 14 28 00 09 41 09 3A 09 1E 09 24 7F FA 00 00 00 00 00 DD 23 E9 74 74 C4
C2 C0 00 00 00 00 00 00 00 00 00 10 05 00 00 00 00 00 00 00 00 00 FF 00 00 00 00 00 00 4D 9D
00 00 04 20 00 00 21 22 27 22 FF 22 00 00 00 00 00 6B 6B 6A 6B 0D 27 00 00 00 04 00 66 40 00 CC
8B 00 00 FF 00 F8 FF 1F 53 38 01 33 01 00 00 00 00 08 03 67 51 01 F6 00 FA 00 00 00 00 00 FC 00 00
00 FA 00 00 00 00 00

71 01 03 01 01 20 CC 00 14 1E 00 09 3A 09 35 09 1C 09 1F 80 18 00 00 00 00 00 DD 23 E9 74 74 C4
C2 C0 00 00 00 00 00 00 00 00 00 10 05 00 00 00 00 00 00 00 00 00 FF 00 00 00 00 00 00 4D 5C
00 00 04 20 00 00 21 22 27 22 FF 22 00 00 00 00 00 6B 6B 6B 6B 0D 27 00 00 00 04 00 66 30 00 CC
8B 00 00 FF 00 F8 FF 1F 53 38 01 33 01 00 00 00 00 08 03 AE 51 01 FF 00 FA 00 00 00 00 00 FC 00 00
00 FA 00 00 00 00 00

71 01 03 01 01 21 CC 00 13 F8 00 09 31 09 2B 09 18 09 1C 80 3D 00 00 00 00 00 DD 23 E9 74 73 C4
C2 C0 00 00 00 00 00 00 00 00 00 10 06 00 00 00 00 00 00 00 00 00 FF 00 00 00 00 00 00 4D 21
00 00 04 20 00 00 21 22 27 22 FF 22 00 00 00 00 00 6B 6B 6E 6E 0D 2B 00 00 00 04 00 66 30 00 CC
8B 00 00 FF 00 F8 FF 1F 53 38 01 32 01 00 00 00 00 08 03 8C 51 01 FB 00 FA 00 00 00 00 00 FC 00 00
00 FA 00 00 00 00 00

71 01 03 01 01 22 CC 00 14 45 00 09 29 09 21 09 0F 09 12 80 3B 00 00 00 00 00 DC 23 E9 74 72 C4
C2 C0 00 00 00 00 00 00 00 00 00 10 06 00 00 00 00 00 00 00 00 00 FF 00 00 00 00 00 00 4C E8

00 00 04 20 00 00 21 22 27 22 FF 22 00 00 00 00 00 6B 6B 73 73 0D 1A 00 00 00 04 00 66 30 00 CC
8B 00 00 FF 00 F8 FF 1F 53 38 01 31 01 00 00 00 00 08 03 98 51 01 FB 00 FA 00 00 00 00 FC 00 00
00 FA 00 00 00 00 00

71 01 03 01 01 23 CC 00 15 44 00 09 22 09 1F 09 0A 09 0C 7F FE 00 00 00 00 00 DD 23 E9 74 72 C4
C2 C0 00 00 00 00 00 00 00 00 00 10 07 00 00 00 00 00 00 00 00 FF 00 00 00 00 00 00 4C DE
00 00 04 20 00 00 21 22 27 22 FF 22 00 00 00 00 00 6B 6A 78 78 0D 4A 00 00 00 04 00 66 30 00 CC
8B 00 00 FF 00 F8 FF 1F 53 38 01 30 01 00 00 00 00 08 03 C1 51 01 FE 00 FA 00 00 00 00 FC 00 00
00 FA 00 00 00 00 00

71 01 03 01 01 24 CC 00 16 21 00 09 1B 09 2B 09 05 09 06 7F F6 00 00 00 00 00 DC 23 E9 74 73 C4
C2 C0 00 00 00 00 00 00 00 00 10 07 00 00 00 00 00 00 00 00 00 FF 00 00 00 00 00 00 4C CB
00 00 04 20 00 00 21 22 27 22 FF 22 00 00 00 00 00 6A 6A 7B 7B 0D 3B 00 00 00 04 00 66 30 00 CC
8B 00 00 FF 00 F8 FF 1F 53 38 01 2F 01 00 00 00 00 08 03 ED 51 02 06 00 FA 00 00 00 00 FC 00 00
00 FA 00 00 00 00 00

71 01 03 01 01 25 CC 00 17 06 00 09 12 09 0E 08 FC 09 01 7F FF 00 00 00 00 00 DD 23 E9 00 73 C4
C2 C0 00 00 00 00 00 00 00 00 10 07 00 00 00 00 00 00 00 00 00 FF 00 00 00 00 00 00 4C 7E
00 00 04 20 00 00 21 22 27 22 FF 22 00 00 00 00 00 6A 6A 7C 7B 0D 20 00 00 04 00 66 30 00 CC
8B 00 00 FF 00 F8 FF 1F 53 38 01 2E 01 00 00 00 00 08 03 F9 51 02 08 00 FA 00 00 00 00 FC 00 00
00 FA 00 00 00 00 00

71 01 03 01 01 26 CC 00 17 E6 00 09 09 09 09 08 F7 08 FE 7F E2 00 00 00 00 00 DC 23 E9 74 72 C4
C2 C0 00 00 00 00 00 00 00 00 10 06 00 00 00 00 00 00 00 00 00 FF 00 00 00 00 00 00 4C 3A
00 00 04 20 00 00 21 22 27 22 FF 22 00 00 00 00 00 6A 6A 7B 7C 0C D4 00 00 00 04 00 66 30 00 CC
8B 00 00 FF 00 F8 FF 1F 53 38 01 2E 01 00 00 00 00 08 03 E4 51 01 FF 00 FA 00 00 00 00 FC 00 00
00 FA 00 00 00 00 00

71 01 03 01 01 27 CC 00 18 AE 00 09 07 09 02 08 F0 08 FA 7F E9 00 00 00 00 00 DD 23 E9 74 72 C4
C2 C0 00 00 00 00 00 00 00 00 10 05 00 00 00 00 00 00 00 00 00 FF 00 00 00 00 00 00 4C 03
00 00 04 20 00 00 21 22 27 22 FF 22 00 00 00 00 00 6A 6A 7B 7C 0C 99 00 00 00 04 00 66 30 00 CC
8B 00 00 FF 00 F8 FF 1F 53 38 01 2D 01 00 00 00 00 08 03 F6 51 02 01 00 FA 00 00 00 00 FC 00 00
00 FA 00 00 00 00 00

71 01 03 01 01 28 CC 00 18 E3 00 09 03 09 00 08 ED 08 EF 7F CF 00 00 00 00 00 DD 23 E9 74 73 C4
C2 C0 00 00 00 00 00 00 00 00 10 06 00 00 00 00 00 00 00 00 00 FF 00 00 00 00 00 00 4B E6
00 00 04 20 00 00 21 22 27 22 FF 22 00 00 00 00 00 6A 6A 7C 7C 0C 92 00 00 00 04 00 66 30 00 CC
8B 00 00 FF 00 F8 FF 1F 53 38 01 2D 01 00 00 00 00 08 03 FB 51 01 FF 00 FA 00 00 00 00 FC 00 00
00 FA 00 00 00 00 00

71 01 03 01 01 29 CC 00 18 C9 00 09 03 08 FA 08 E5 08 E7 7F BC 00 00 00 00 00 DD 23 E9 74 73 C4
C2 C0 00 00 00 00 00 00 00 00 10 05 00 00 00 00 00 00 00 00 00 FF 00 00 00 00 00 00 4B B9
00 00 04 20 00 00 21 22 27 22 FF 22 00 00 00 00 00 6A 6B 7B 7B 0C 93 00 00 00 04 00 66 30 00 CC
8B 00 00 FF 00 F8 FF 1F 53 38 01 2C 01 00 00 00 00 08 03 EB 51 02 02 00 FA 00 00 00 00 FC 00 00
00 FA 00 00 00 00 00

71 01 03 01 01 2A CC 00 18 A9 00 08 FF 08 F4 08 DA 08 E2 7F B8 00 00 00 00 00 DD 23 E9 74 73 C4
C2 C0 00 00 00 00 00 00 00 00 10 05 00 00 00 00 00 00 00 00 00 FF 00 00 00 00 00 00 4B 6B
00 00 04 20 00 00 21 22 27 22 FF 22 00 00 00 00 00 6A 6B 7C 7B 0C 94 00 00 00 04 00 66 30 00 CC
8B 00 00 FF 00 F8 FF 1F 53 38 01 2A 01 00 00 00 00 08 03 E4 51 02 01 00 FA 00 00 00 00 FC 00 00
00 FA 00 00 00 00 00

71 01 03 01 01 2B CC 00 18 B2 00 08 F5 08 EE 08 D8 08 DD 7F B4 00 00 00 00 00 DD 23 E9 74 73 C4
C2 C0 00 00 00 00 00 00 00 00 10 04 00 00 00 00 00 00 00 00 00 FF 00 00 00 00 00 00 4B 23
00 00 04 20 00 00 21 22 27 22 FF 22 00 00 00 00 00 6B 6B 7C 7B 0C 9C 00 00 00 04 00 66 30 00 CC
8B 00 00 FF 00 F8 FF 1F 53 38 01 2A 01 00 00 00 00 08 03 B1 51 01 FB 00 FA 00 00 00 00 FC 00 00
00 FA 00 00 00 00 00

71 01 03 01 01 2C CC 00 18 83 00 08 EA 08 E8 08 D2 08 D1 7F 8C 00 00 00 00 00 DD 23 E9 74 73 C4
C2 C0 00 00 00 00 00 00 00 00 10 05 00 00 00 00 00 00 00 00 00 FF 00 00 00 00 00 00 4A D1
00 00 04 20 00 00 21 22 27 22 FF 22 00 00 00 00 00 6B 6B 7C 7B 0C AB 00 00 00 04 00 66 30 00 CC
8B 00 00 FF 00 F8 FF 1F 53 38 01 29 01 00 00 00 00 08 03 E9 51 02 02 00 FA 00 00 00 00 FC 00 00
00 FA 00 00 00 00 00

71 01 03 01 01 2D CC 00 18 77 00 08 E1 08 E2 08 CA 08 CD 7F F5 00 00 00 00 00 DC 23 E9 74 73 C4
C2 C0 00 00 00 00 00 00 00 00 10 01 00 00 00 00 00 00 00 00 00 FF 00 00 00 00 00 00 4A A1
00 00 04 20 00 00 21 22 26 22 FF 22 00 00 00 00 00 6B 6B 7B 7C 0C AE 00 00 00 04 00 66 30 00 CC

8B 00 00 FF 00 F8 FF 1F 53 38 01 28 01 00 00 00 00 08 03 A5 51 02 04 00 FA 00 00 00 00 FC 00 00
00 F9 00 00 00 00 00

71 01 03 01 01 2E CC 00 18 58 00 08 DC 08 DA 08 BF 08 C0 80 2C 00 00 00 00 00 DD 23 E9 74 72 C4
C2 C0 00 00 00 00 00 00 00 00 00 10 03 00 00 00 00 00 00 00 00 00 FF 00 00 00 00 00 00 4A 59
00 00 04 20 00 00 21 22 26 22 FF 22 00 00 00 00 00 00 00 6C 6B 7B 7C 0C C3 00 00 00 04 00 66 30 00 CC
8B 00 00 FF 00 F8 FF 1F 53 38 01 26 01 00 00 00 00 08 03 0E 51 01 F2 00 FA 00 00 00 00 FC 00 00
00 FA 00 00 00 00 00

71 01 03 01 01 2F CC 00 18 39 00 08 D6 08 D3 08 B6 08 BA 7F C3 00 00 00 00 00 DC 23 E9 74 72 C4
C2 C0 00 00 00 00 00 00 00 00 00 10 08 00 00 00 00 00 00 00 00 00 FF 00 00 00 00 00 00 4A 53
00 00 04 20 00 00 21 22 26 22 FF 22 00 00 00 00 00 00 00 6C 6B 7C 7C 0C C2 00 00 00 04 00 66 30 00 CC
8B 00 00 FF 00 F8 FF 1F 53 38 01 25 01 00 00 00 00 08 04 00 51 02 04 00 FA 00 00 00 00 FC 00 00
00 FA 00 00 00 00 00

71 01 03 01 01 30 CC 00 18 66 00 08 CB 08 DC 08 AA 08 AA 7F 6F 00 00 00 00 00 DD 23 E9 74 73 C4
C2 C0 00 00 00 00 00 00 00 00 00 10 06 00 00 00 00 00 00 00 00 00 FF 00 00 00 00 00 00 4A 2E
00 00 04 20 00 00 21 22 26 22 FF 22 00 00 00 00 00 00 00 6C 6C 7B 7C 0C B5 00 00 00 04 00 66 30 00 CC
8B 00 00 FF 00 F8 FF 1F 53 38 01 24 01 00 00 00 00 08 03 D2 51 01 F7 00 FA 00 00 00 00 FC 00 00
00 FA 00 00 00 00 00

71 01 03 01 01 31 CC 00 18 2A 00 08 C0 08 BD 08 A0 08 A6 7F C4 00 00 00 00 00 DC 23 E9 74 72 C4
C2 C0 00 00 00 00 00 00 00 00 00 10 04 00 00 00 00 00 00 00 00 00 FF 00 00 00 00 00 00 49 A8
00 00 04 20 00 00 21 22 26 22 FF 22 00 00 00 00 00 00 00 6B 6C 7C 7C 0C D6 00 00 00 04 00 66 30 00 CC
8B 00 00 FF 00 F8 FF 1F 53 38 01 23 01 00 00 00 00 08 04 00 51 02 09 00 FA 00 00 00 00 FC 00 00
00 FA 00 00 00 00 00

71 01 03 01 02 00 CC 00 15 B5 00 09 CE 09 CA 09 AE 09 A5 80 2E 00 00 00 00 00 DD 23 AA 55 72 8C
C2 C0 00 00 00 00 00 00 00 00 00 10 09 00 00 00 00 00 00 00 00 00 FF 00 00 00 00 00 00 53 0C
00 00 04 20 00 00 21 22 27 22 FF 22 00 00 00 00 00 00 00 6C 6C 70 70 0D 4F 00 00 00 04 00 66 40 00 CC
8B 00 00 FF 00 F8 FF 1F 53 38 01 48 01 00 00 00 00 08 02 FF 51 01 BD 00 C2 00 00 00 00 FC 00 00
00 FA 00 00 00 00 00

71 01 03 01 02 01 CC 00 15 30 00 09 BD 09 B9 09 87 09 94 7F DA 00 00 00 00 00 DD 23 AE 57 72 8F
C2 C0 00 00 00 00 00 00 00 00 00 10 07 00 00 00 00 00 00 00 00 00 FF 00 00 00 00 00 00 51 DA
00 00 04 20 00 00 21 22 27 22 FF 22 00 00 00 00 00 00 00 6C 6C 70 70 0D 47 00 00 00 04 00 66 40 00 CC
8B 00 00 FF 00 F8 FF 1F 53 38 01 42 01 00 00 00 00 08 04 4D 51 02 04 00 C7 00 00 00 00 FC 00 00
00 FA 00 00 00 00 00

71 01 03 01 02 02 CC 00 15 2A 00 09 B1 09 AE 09 96 09 9A 7F FA 00 00 00 00 00 DD 23 B8 5C 72 9E
C2 C0 00 00 00 00 00 00 00 00 00 10 05 00 00 00 00 00 00 00 00 00 FF 00 00 00 00 00 00 51 9C
00 00 04 20 00 00 21 22 27 22 FF 22 00 00 00 00 00 00 00 6D 6D 6F 6F 0D 4C 00 00 00 04 00 66 40 00 CC
8B 00 00 FF 00 F8 FF 1F 53 38 01 43 01 00 00 00 00 08 03 A2 51 01 FE 00 D3 00 00 00 00 FC 00 00
00 FA 00 00 00 00 00

71 01 03 01 02 03 CC 00 15 11 00 09 A8 09 A6 09 8D 09 94 80 07 00 00 00 00 00 DD 23 C5 63 72 A8
C2 C0 00 00 00 00 00 00 00 00 00 10 06 00 00 00 00 00 00 00 00 00 FF 00 00 00 00 00 00 51 6A
00 00 04 20 00 00 21 22 27 22 FF 22 00 00 00 00 00 00 00 6D 6C 6F 6F 0D 46 00 00 00 04 00 66 40 00 CC
8B 00 00 FF 00 F8 FF 1F 53 38 01 42 01 00 00 00 00 08 03 EA 51 01 FD 00 E7 00 00 00 00 FC 00 00
00 FA 00 00 00 00 00

71 01 03 01 02 04 CC 00 15 15 00 09 A8 09 A9 09 87 09 8D 80 10 00 00 00 00 00 DD 23 D2 69 72 B6
C2 C0 00 00 00 00 00 00 00 00 00 10 06 00 00 00 00 00 00 00 00 00 FF 00 00 00 00 00 00 51 3E
00 00 04 20 00 00 21 22 27 22 FF 22 00 00 00 00 00 00 00 6C 6D 6F 6F 0D 51 00 00 00 04 00 66 40 00 CC
8B 00 00 FF 00 F8 FF 1F 53 38 01 41 01 00 00 00 00 08 03 F7 51 02 01 00 F7 00 00 00 00 FC 00 00
00 FA 00 00 00 00 00

71 01 03 01 02 05 CC 00 14 F2 00 09 A2 09 A2 09 80 09 85 80 05 00 00 00 00 00 DD 23 DF 6F 72 C0
C2 C0 00 00 00 00 00 00 00 00 00 10 05 00 00 00 00 00 00 00 00 00 FF 00 00 00 00 00 00 50 F5
00 00 04 20 00 00 21 22 27 22 FF 22 00 00 00 00 00 00 00 6C 6C 6E 6E 0D 44 00 00 00 04 00 66 40 00 CC
8B 00 00 FF 00 F8 FF 1F 53 38 01 40 01 00 00 00 00 08 03 AC 51 01 FD 00 FA 00 00 00 00 FC 00 00
00 FA 00 00 00 00 00

71 01 03 01 02 06 CC 00 14 F5 00 09 9C 09 9A 09 7C 09 82 80 08 00 00 00 00 00 DC 23 DF 70 73 C0
C2 C0 00 00 00 00 00 00 00 00 00 10 05 00 00 00 00 00 00 00 00 00 FF 00 00 00 00 00 00 50 B5
00 00 04 20 00 00 21 22 27 22 FF 22 00 00 00 00 00 00 00 6C 6C 6E 6E 0D 4D 00 00 00 04 00 66 40 00 CC
8B 00 00 FF 00 F8 FF 1F 53 38 01 40 01 00 00 00 00 08 03 7F 51 01 F5 00 FA 00 00 00 00 FC 00 00
00 FA 00 00 00 00 00

```

00 F9 00 00 00 00 00
71 01 03 01 02 07 CC 00 14 E1 00 09 9C 09 93 09 79 09 7B 7F F8 00 00 00 00 00 DC 23 E1 70 73 C4
C2 C0 00 00 00 00 00 00 00 00 00 10 05 00 00 00 00 00 00 00 00 FF 00 00 00 00 00 50 8E
00 00 04 20 00 00 21 22 27 22 FF 22 00 00 00 00 00 6C 6C 6D 6D 0D 43 00 00 00 04 00 66 40 00 CC
8B 00 00 FF 00 F8 FF 1F 53 38 01 3F 01 00 00 00 00 08 03 92 51 01 F8 00 FA 00 00 00 00 FC 00 00
00 FA 00 00 00 00 00

71 01 03 01 02 08 CC 00 14 DB 00 09 94 09 8F 09 6D 09 72 7F E7 00 00 00 00 00 DD 23 E9 74 73 C4
C2 C0 00 00 00 00 00 00 00 00 00 10 05 00 00 00 00 00 00 00 00 FF 00 00 00 00 00 50 58
00 00 04 20 00 00 21 22 27 22 FF 22 00 00 00 00 00 6C 6C 6D 6D 0D 4D 00 00 00 04 00 66 40 00 CC
8B 00 00 FF 00 F8 FF 1F 53 38 01 3E 01 00 00 00 00 08 03 E1 51 01 FB 00 FA 00 00 00 00 FC 00 00
00 FA 00 00 00 00 00

71 01 03 01 02 09 CC 00 14 C4 00 09 91 09 8A 09 69 09 6D 7F E2 00 00 00 00 00 DD 23 E9 74 74 C4
C2 C0 00 00 00 00 00 00 00 00 00 10 04 00 00 00 00 00 00 00 00 FF 00 00 00 00 00 50 2E
00 00 04 20 00 00 21 22 27 22 FF 22 00 00 00 00 00 6C 6C 6D 6C 0D 3F 00 00 00 04 00 66 40 00 CC
8B 00 00 FF 00 F8 FF 1F 53 38 01 3D 01 00 00 00 00 08 03 8C 51 01 FA 00 FA 00 00 00 00 FC 00 00
00 FA 00 00 00 00 00

71 01 03 01 02 0A CC 00 14 BF 00 09 88 09 84 09 61 09 64 7F E0 00 00 00 00 00 DD 23 E9 00 74 C4
C2 C0 00 00 00 00 00 00 00 00 00 10 04 00 00 00 00 00 00 00 00 FF 00 00 00 00 00 4F EF
00 00 04 20 00 00 21 22 27 22 FF 22 00 00 00 00 00 6C 6C 6D 6D 0D 42 00 00 00 04 00 66 40 00 CC
8B 00 00 FF 00 F8 FF 1F 53 38 01 3C 01 00 00 00 00 08 03 71 51 01 F6 00 FA 00 00 00 00 FC 00 00
00 FA 00 00 00 00 00

71 01 03 01 02 0B CC 00 14 AE 00 09 80 09 79 09 60 09 5F 7F C2 00 00 00 00 00 DC 23 E9 74 73 C4
C2 C0 00 00 00 00 00 00 00 00 00 10 05 00 00 00 00 00 00 00 00 FF 00 00 00 00 00 4F BA
00 00 04 20 00 00 21 22 27 22 FF 22 00 00 00 00 00 6C 6C 6C 0D 3B 00 00 00 04 00 66 40 00 CC
8B 00 00 FF 00 F8 FF 1F 53 38 01 3C 01 00 00 00 00 08 03 D5 51 01 FE 00 FA 00 00 00 00 FC 00 00
00 FA 00 00 00 00 00

71 01 03 01 02 0C CC 00 14 96 00 09 78 09 72 09 5A 09 5C 7F CC 00 00 00 00 00 DC 23 E9 74 72 C4
C2 C0 00 00 00 00 00 00 00 00 00 10 02 00 00 00 00 00 00 00 00 FF 00 00 00 00 00 4F 75
00 00 04 20 00 00 21 22 27 22 FF 22 00 00 00 00 00 6C 6C 6C 0D 34 00 00 00 04 00 66 40 00 CC
8B 00 00 FF 00 F8 FF 1F 53 38 01 3B 01 00 00 00 00 08 03 30 51 01 F3 00 FA 00 00 00 00 FC 00 00
00 FA 00 00 00 00 00

71 01 03 01 02 0D CC 00 14 95 00 09 6F 09 6D 09 56 09 58 7F DC 00 00 00 00 00 DC 23 E9 74 73 C4
C2 C0 00 00 00 00 00 00 00 00 00 10 03 00 00 00 00 00 00 00 00 FF 00 00 00 00 00 4F 3E
00 00 04 20 00 00 21 22 27 22 FF 22 00 00 00 00 00 6C 6C 6C 6B 0D 37 00 00 00 04 00 66 40 00 CC
8B 00 00 FF 00 F8 FF 1F 53 38 01 3B 01 00 00 00 00 08 03 61 51 01 F8 00 FA 00 00 00 00 FC 00 00
00 FA 00 00 00 00 00

71 01 03 01 02 0E CC 00 14 78 00 09 6B 09 66 09 50 09 51 7F DD 00 00 00 00 00 DD 23 E9 74 74 C4
C2 C0 00 00 00 00 00 00 00 00 00 10 03 00 00 00 00 00 00 00 00 FF 00 00 00 00 00 4F 0C
00 00 04 20 00 00 21 22 27 22 FF 22 00 00 00 00 00 6C 6C 6B 6B 0D 35 00 00 00 04 00 66 40 00 CC
8B 00 00 FF 00 F8 FF 1F 53 38 01 3A 01 00 00 00 00 08 03 3F 51 01 F1 00 FA 00 00 00 00 FC 00 00
00 FA 00 00 00 00 00

71 01 03 01 02 0F CC 00 14 7A 00 09 65 09 62 09 48 09 4A 7F C5 00 00 00 00 00 DD 23 E9 74 74 C4
C2 C0 00 00 00 00 00 00 00 00 00 10 03 00 00 00 00 00 00 00 00 FF 00 00 00 00 00 4E D5
00 00 04 20 00 00 21 22 27 22 FF 22 00 00 00 00 00 6C 6C 6B 6B 0D 36 00 00 00 04 00 66 40 00 CC
8B 00 00 FF 00 F8 FF 1F 53 38 01 39 01 00 00 00 00 08 03 58 51 01 F5 00 FA 00 00 00 00 FC 00 00
00 FA 00 00 00 00 00

71 01 03 01 02 10 CC 00 14 61 00 09 5D 09 5B 09 3E 09 42 7F BA 00 00 00 00 00 DD 23 E9 74 73 C4
C2 C0 00 00 00 00 00 00 00 00 00 10 03 00 00 00 00 00 00 00 00 FF 00 00 00 00 00 4E A2
00 00 04 20 00 00 21 22 27 22 FF 22 00 00 00 00 00 6C 6C 6B 6B 0D 26 00 00 00 04 00 66 40 00 CC
8B 00 00 FF 00 F8 FF 1F 53 38 01 38 01 00 00 00 00 08 03 44 51 01 F3 00 FA 00 00 00 00 FC 00 00
00 FA 00 00 00 00 00

71 01 03 01 02 11 CC 00 14 53 00 09 59 09 54 09 3A 09 3C 7F B7 00 00 00 00 00 DD 23 E9 74 73 C4
C2 C0 00 00 00 00 00 00 00 00 00 10 03 00 00 00 00 00 00 00 00 FF 00 00 00 00 00 4E 7D
00 00 04 20 00 00 21 22 27 22 FF 22 00 00 00 00 00 6C 6C 6A 6A 0D 2E 00 00 00 04 00 66 40 00 CC
8B 00 00 FF 00 F8 FF 1F 53 38 01 37 01 00 00 00 00 08 03 5D 51 01 F5 00 FA 00 00 00 00 FC 00 00
00 FA 00 00 00 00 00

```

71 01 03 01 02 12 CC 00 14 52 00 09 50 09 4F 09 2F 09 36 7F E5 00 00 00 00 00 DD 23 E9 74 74 C4
C2 C0 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 FF 00 00 00 00 00 00 00 4E 33
00 00 04 20 00 00 21 22 27 22 FF 22 00 00 00 00 00 00 6C 6C 6A 6A 0D 34 00 00 00 04 00 66 40 00 CC
8B 00 00 FF 00 F8 FF 1F 53 38 01 36 01 00 00 00 00 08 03 56 51 01 F9 00 FA 00 00 00 00 00 FC 00 00
00 FA 00 00 00 00 00

71 01 03 01 02 13 CC 00 14 35 00 09 4A 09 4A 09 2C 09 31 7F E9 00 00 00 00 00 DC 23 E9 74 73 C4
C2 C0 00 00 00 00 00 00 00 00 00 10 04 00 00 00 00 00 00 00 00 FF 00 00 00 00 00 00 00 4E 0E
00 00 04 20 00 00 21 22 27 22 FF 22 00 00 00 00 00 6C 6C 6A 6A 0D 2C 00 00 00 04 00 66 40 00 CC
8B 00 00 FF 00 F8 FF 1F 53 38 01 35 01 00 00 00 00 08 03 67 51 01 F7 00 FA 00 00 00 00 00 FC 00 00
00 FA 00 00 00 00 00

71 01 03 01 02 14 CC 00 14 28 00 09 45 09 43 09 28 09 28 7F DF 00 00 00 00 00 DD 23 E9 74 73 C4
C2 C0 00 00 00 00 00 00 00 00 00 10 05 00 00 00 00 00 00 00 00 FF 00 00 00 00 00 00 00 4D D4
00 00 04 20 00 00 21 22 27 22 FF 22 00 00 00 00 00 6B 6C 6A 6A 0D 24 00 00 00 04 00 66 40 00 CC
8B 00 00 FF 00 F8 FF 1F 53 38 01 34 01 00 00 00 00 08 03 A1 51 01 FD 00 FA 00 00 00 00 00 FC 00 00
00 FA 00 00 00 00 00

71 01 03 01 02 15 CC 00 14 28 00 09 41 09 3A 09 1E 09 24 7F FA 00 00 00 00 00 DD 23 E9 74 74 C4
C2 C0 00 00 00 00 00 00 00 00 00 10 05 00 00 00 00 00 00 00 00 FF 00 00 00 00 00 00 00 4D 9D
00 00 04 20 00 00 21 22 27 22 FF 22 00 00 00 00 00 6B 6B 6A 6B 0D 27 00 00 00 04 00 66 40 00 CC
8B 00 00 FF 00 F8 FF 1F 53 38 01 33 01 00 00 00 00 08 03 67 51 01 F6 00 FA 00 00 00 00 00 FC 00 00
00 FA 00 00 00 00 00

71 01 03 01 02 16 CC 00 14 1E 00 09 3A 09 35 09 1C 09 1F 80 18 00 00 00 00 00 DD 23 E9 74 74 C4
C2 C0 00 00 00 00 00 00 00 00 00 10 05 00 00 00 00 00 00 00 00 FF 00 00 00 00 00 00 00 4D 5C
00 00 04 20 00 00 21 22 27 22 FF 22 00 00 00 00 00 6B 6B 6B 6B 0D 27 00 00 00 04 00 66 30 00 CC
8B 00 00 FF 00 F8 FF 1F 53 38 01 33 01 00 00 00 00 08 03 AE 51 01 FF 00 FA 00 00 00 00 00 FC 00 00
00 FA 00 00 00 00 00

71 01 03 01 02 17 CC 00 13 F8 00 09 31 09 2B 09 18 09 1C 80 3D 00 00 00 00 00 DD 23 E9 74 73 C4
C2 C0 00 00 00 00 00 00 00 00 00 10 06 00 00 00 00 00 00 00 00 FF 00 00 00 00 00 00 00 4D 21
00 00 04 20 00 00 21 22 27 22 FF 22 00 00 00 00 00 6B 6E 6E 6E 0D 2B 00 00 00 04 00 66 30 00 CC
8B 00 00 FF 00 F8 FF 1F 53 38 01 32 01 00 00 00 00 08 03 8C 51 01 FB 00 FA 00 00 00 00 00 FC 00 00
00 FA 00 00 00 00 00

71 01 03 01 02 18 CC 00 14 45 00 09 29 09 21 09 0F 09 12 80 3B 00 00 00 00 00 DD 23 E9 74 72 C4
C2 C0 00 00 00 00 00 00 00 00 00 10 06 00 00 00 00 00 00 00 00 FF 00 00 00 00 00 00 00 4C E8
00 00 04 20 00 00 21 22 27 22 FF 22 00 00 00 00 00 6B 6B 73 73 0D 1A 00 00 00 04 00 66 30 00 CC
8B 00 00 FF 00 F8 FF 1F 53 38 01 31 01 00 00 00 00 08 03 98 51 01 FB 00 FA 00 00 00 00 00 FC 00 00
00 FA 00 00 00 00 00

71 01 03 01 02 19 CC 00 15 44 00 09 22 09 1F 09 0A 09 0C 7F FE 00 00 00 00 00 DD 23 E9 74 72 C4
C2 C0 00 00 00 00 00 00 00 00 00 10 07 00 00 00 00 00 00 00 00 FF 00 00 00 00 00 00 00 4C DE
00 00 04 20 00 00 21 22 27 22 FF 22 00 00 00 00 00 6B 6A 78 78 0D 4A 00 00 00 04 00 66 30 00 CC
8B 00 00 FF 00 F8 FF 1F 53 38 01 30 01 00 00 00 00 08 03 C1 51 01 FE 00 FA 00 00 00 00 00 FC 00 00
00 FA 00 00 00 00 00

71 01 03 01 02 1A CC 00 16 21 00 09 1B 09 2B 09 05 09 06 7F F6 00 00 00 00 00 DD 23 E9 74 73 C4
C2 C0 00 00 00 00 00 00 00 00 00 10 07 00 00 00 00 00 00 00 00 FF 00 00 00 00 00 00 00 4C CB
00 00 04 20 00 00 21 22 27 22 FF 22 00 00 00 00 00 6A 6A 7B 7B 0D 3B 00 00 00 04 00 66 30 00 CC
8B 00 00 FF 00 F8 FF 1F 53 38 01 2F 01 00 00 00 00 08 03 ED 51 02 06 00 FA 00 00 00 00 00 FC 00 00
00 FA 00 00 00 00 00

71 01 03 01 02 1B CC 00 17 06 00 09 12 09 0E 08 FC 09 01 7F FF 00 00 00 00 00 DD 23 E9 00 73 C4
C2 C0 00 00 00 00 00 00 00 00 00 10 07 00 00 00 00 00 00 00 00 FF 00 00 00 00 00 00 00 4C 7E
00 00 04 20 00 00 21 22 27 22 FF 22 00 00 00 00 00 6A 6A 7C 7B 0D 20 00 00 00 04 00 66 30 00 CC
8B 00 00 FF 00 F8 FF 1F 53 38 01 2E 01 00 00 00 00 08 03 F9 51 02 08 00 FA 00 00 00 00 00 FC 00 00
00 FA 00 00 00 00 00

71 01 03 01 02 1C CC 00 17 E6 00 09 09 09 09 08 F7 08 FE 7F E2 00 00 00 00 00 DD 23 E9 74 72 C4
C2 C0 00 00 00 00 00 00 00 00 00 10 06 00 00 00 00 00 00 00 00 FF 00 00 00 00 00 00 00 4C 3A
00 00 04 20 00 00 21 22 27 22 FF 22 00 00 00 00 00 6A 6A 7B 7C 0C D4 00 00 00 04 00 66 30 00 CC
8B 00 00 FF 00 F8 FF 1F 53 38 01 2E 01 00 00 00 00 08 03 E4 51 01 FF 00 FA 00 00 00 00 00 FC 00 00
00 FA 00 00 00 00 00


```
59 06 80 28 13 89 01 00 18 F4 18 F4 01 00 02 00 8C 00 95 75 08 FF FF FF FF
59 06 80 20 13 89 01 00 18 F4 18 F4 01 00 02 00 8C 00 95 75 07 FF FF FF FF
59 06 80 70 13 89 01 00 18 F4 18 F4 01 00 02 00 8C 00 95 75 07 FF FF FF FF
59 06 80 10 13 89 01 00 18 F4 18 F4 01 00 02 00 8C 00 95 75 07 FF FF FF FF
59 06 80 02 13 89 01 00 18 F4 18 F4 02 00 02 00 88 00 95 75 07 FF FF FF FF
59 06 A7 67 13 89 01 00 18 F4 18 F4 01 00 02 00 8C 00 95 75 07 FF FF FF FF
59 06 D4 15 00 89 01 00 FF FF FF FF 01 00 02 00 05 00 95 95 28 FF FF FF FF
59 06 80 7F 13 89 01 00 FF FF FF FF 01 00 02 00 05 00 95 95 1F FF FF FF FF
59 06 80 72 13 89 01 00 FF FF FF FF 01 00 02 00 05 00 95 95 1F FF FF FF FF
59 06 80 11 13 89 01 00 FF FF FF FF 01 00 02 00 05 00 95 95 1F FF FF FF FF
59 06 A7 65 13 89 01 00 FF FF FF FF 01 00 02 00 05 00 95 95 1E FF FF FF FF
59 06 A7 62 13 89 01 00 FF FF FF FF 01 00 02 00 05 00 95 95 1E FF FF FF FF
59 06 A7 68 13 89 01 00 FF FF FF FF 01 00 02 00 05 00 95 95 1E FF FF FF FF
59 06 A7 64 13 89 01 00 FF FF FF FF 01 00 02 00 05 00 95 95 1E FF FF FF FF
59 06 A7 61 13 89 01 00 FF FF FF FF 01 00 02 00 05 00 95 95 1D FF FF FF FF
59 06 80 95 13 89 01 00 FF FF FF FF 01 00 02 00 05 00 95 95 1D FF FF FF FF
59 06 80 90 13 89 01 00 FF FF FF FF 01 00 02 00 05 00 95 95 1D FF FF FF FF
59 06 80 52 13 89 01 00 FF FF FF FF 01 00 02 00 05 00 95 95 1D FF FF FF FF
59 06 80 50 13 89 01 00 FF FF FF FF 01 00 02 00 05 00 95 95 1D FF FF FF FF
59 06 80 B5 13 89 01 00 FF FF FF FF 01 00 02 00 05 00 95 95 1D FF FF FF FF
```

Disclaimer of Liability

The users of the CDR product and reviewers of the CDR reports and exported data shall ensure that data and information supplied is applicable to the vehicle, vehicle's system(s) and the vehicle ECU. Robert Bosch LLC and all its directors, officers, employees and members shall not be liable for damages arising out of or related to incorrect, incomplete or misinterpreted software and/or data. Robert Bosch LLC expressly excludes all liability for incidental, consequential, special or punitive damages arising from or related to the CDR data, CDR software or use thereof.