CDR
Crash Data Retrieval

BOSCH
Invented for life

Bosch is the world leader in Event Data Recorder (EDR) information and imaging technology.

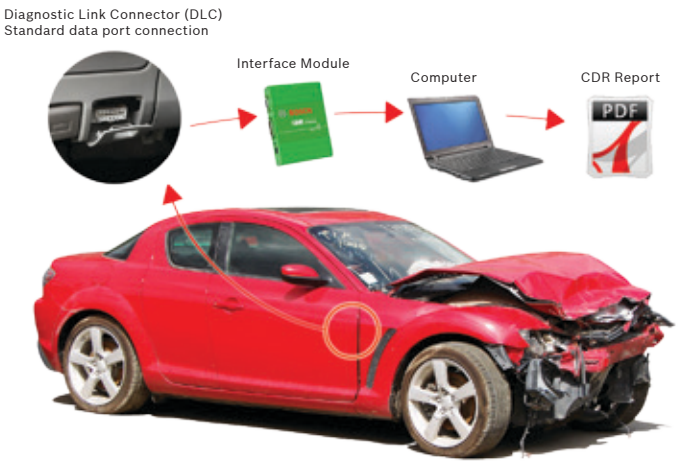
Bosch Crash Data Retrieval (CDR) products have been trusted internationally by law enforcement, crash investigators, auto manufacturers, insurance agencies and government agencies to access Event Data Recorder (EDR) information since 2000.

Bosch is uniquely positioned to support efforts by the government and the passenger vehicle industry toward improving traffic safety and EDR data standardization such as 49 CFR 563 of the United States Code of Federal Regulations.

Bosch is the only company to offer a commercially available tool that can provide access to critical vehicle crash data from the largest selection of car manufacturers.

Made in the USA

Easily image crash and pre-crash data to fully understand the accident



Examples of Crash Data parameters

- Vehicle speed
- Steering wheel angle
- Crash severity (delta-V)
- Brake switch status
- Seat belt circuit status
- Tire pressure
- Engine throttle
- Accelerator pedal position
- Yaw rate
- Transmission gear position
- Airbag deployment data

CRASH DATA GROUP

Crash Data Group is the sole distributor of the Crash Data Retrieval product line for the United States and Canada.

Crash Data Group contact information:
(800) 280-7940
www.cdr-system.com

Choose the CDR Tool configuration that fits your needs and budget

CDR DLC Base Kit

The CDR DLC Base Kit is an entry level kit which includes most components needed to image EDR (Event Data Recorder) data directly from the DLC (Diagnostic Link Connector) of the supported vehicle list. It does not allow you image EDR data directly from the airbag control module. Select US and Canada vehicles may require additional hardware sold individually or included in the optional US Accessory Kit. CDR software is sold separate.

CDR D2M Cables and Adapters

CDR D2M (direct-to-module) cables and adapters are used to image crash data directly from the vehicle module that stores EDR information. After a severe crash, the vehicle's electrical system may be compromised and the data may not be available through the DLC connector. The D2M cables and adapters are available individually or bundled in separate D2M Kits.

Sample CDR Report Parameters

Pre-Crash Data -5 to 0 sec [2 samples/sec] (Event Record 1)
(the most recent sampled values are recorded prior to the event)

Time Stamp (sec)	Speed, Vehicle Indicated (MPH [km/h])	Engine Throttle, % full	Engine RPM	Motor RPM	Service Brake (On, Off)	Steering Input (°)
-5.0	24 [39]	16	2650	0	Off (Brake Not Activated)	-12.8
-4.5	23 [37]	11.5	1750	0	Off (Brake	
-4.0	21 [34]	9	1200	0	On (Bra	
-3.5	15 [24]	9	1150	0	On (Bra	
-3.0	13 [21]	4	950	0	On (Bra	
-2.5	11 [17]	4	950	0	On (Bra	
-2.0	5 [8]	4	900	0	On (Bra	
-1.5	3 [5]	4	850	0	On (Bra	
-1.0	1 [2]	4	850	0	On (Bra	
-0.5	3 [5]	10.5	1100	0	Off (Brake	
0.0	6 [9]	16	1150	0	Off (Brake	

System Status at Event (Event Record 1)

Life Time Counter (sec)	5376
Complete File Recorded (Yes/No)	Yes (Complete)
Ignition Cycle, Crash	104
Ignition Cycle, Download	105
Multi-Event, Number of Events (1, 2)	1
Time from Event 1 to 2 (sec)	N/A
Safety Belt Status, Driver	On (Fastened)
Safety Belt Status, Right Front Passenger	Off (Unfastened)
Frontal Air Bag Warning Lamp (On, Off)	Off
Frontal Air Bag Suppression Switch Status	On (AS airbag inhibit)
Maximum Delta-V, Longitudinal (MPH [km/h])	-4 [-6]
Time, Maximum Delta-V, Longitudinal (msec)	62.5
Maximum Delta-V, Lateral (MPH [km/h])	16 [26]
Time, Maximum Delta-V, Lateral (msec)	110
Maximum Acceleration, Longitudinal (g)	20.5
Time, Maximum Acceleration, Longitudinal (msec)	25
Maximum Acceleration, Lateral (g)	55
Time, Maximum Acceleration, Lateral (msec)	22.5

Vehicle Coverage

- Supports over 100 million registered vehicles, light trucks and SUVs
  - Toyota
  - Chevrolet
  - Honda
  - Ford
  - Chrysler
  - Cadillac
  - Acura
  - Buick
  - Dodge
  - Nissan
  - Pontiac
  - Jeep
  - Hummer
  - Infiniti
  - Oldsmobile
  - Fiat
  - GMC
  - Mercury
  - Saturn
  - Scion
  - Lincoln
  - Lexus
  - Volvo
  - SRT
  - BMW
  - Rolls Royce
  - RAM
  - Mercedes-Benz
  - and others

Admissibility

- Used in criminal and civil cases
- Proven track record of admissibility
- Invaluable information for evaluating collisions

CDR Software Subscription

A CDR System Software Subscription is required to retrieve crash data from supported vehicles using the CDR Tool. Once you become a subscriber, you will receive FREE software updates during your subscription period.

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