

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 companies, fleet and government agencies to access Event Data Recorder (EDR) information since 2000.

Event Data Recorders that store crash data are factory installed in many vehicles on the road today. The EDR is typically a function of the airbag or other safety system of the vehicle. The CDR Tool simply reads the information that is stored in the EDR of the vehicle and provides the crash information in the form of a CDR report.

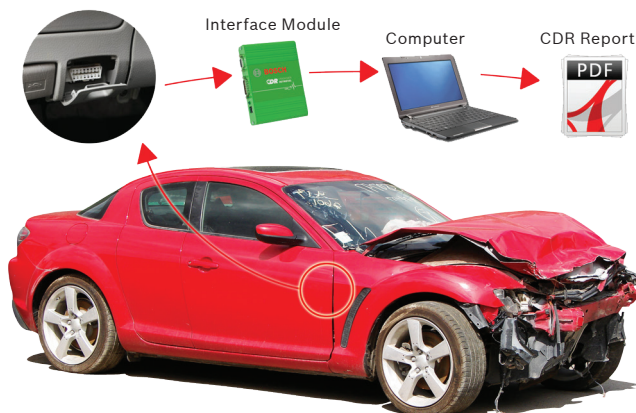
Bosch is the only company to offer a commercially available tool that can provide access to critical vehicle crash EDR data from multiple car manufacturers.



Made in the USA

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

Diagnostic Link Connector (DLC)
Standard data port connection



Examples of Crash Data parameters

- ▶ Vehicle speed
- ▶ Brake status
- ▶ Steering wheel angle
- ▶ Crash severity (delta-V)
- ▶ Seat belt status
- ▶ Engine throttle
- ▶ Accelerator pedal position
- ▶ Transmission gear position
- ▶ Airbag deployment data
- ▶ Occupant detection information

CDR products are only available for purchase in certain regions of the world:

USA and Canada

Crash Data Group

www.cdr-system.com

Africa

IbB Engineering GmbH

www.ibb-engineering.org

Australia and New Zealand

Bosch Diagnostics

www.bosch.com.au

Europe and Middle East (two distributors)

asDARTS InH. Andreas Huber

www.asDARTS.com

IbB Engineering GmbH

www.ibb-engineering.org



Choose the CDR Tool configuration that fits your needs and budget

CDR Tool DLC Kit

The CDR DLC Kit is an entry level kit which includes the CDR Tool and most cables and components needed to image EDR (Event Data Recorder) data directly from the DLC (Diagnostic Link Connector) of the supported vehicles. CDR software (sold separately) and a Windows based PC (not included) is required to operate the CDR Tool and image crash data.



CDR D2M Cables and Adapters

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



Examples CDR Report Parameters

Pre-Crash Data -5 to 0 sec				
Time Stamp (sec)	Vehicle Speed (MPH)	Engine Speed (RPM)	Service Brake (On, Off)	Steering Wheel Angle (degrees)
-5	92	3574	ON	-2
-4	86	3382	ON	0
-3	82	3190	ON	4
-2	79	3190	OFF	-12
-1	79	3062	OFF	-48
0	72	2788	ON	-37

System Status at Deployment	
Airbag Warning Lamp Status	ON
Driver's Belt Switch Status	Buckled
Passenger's Belt Switch Status	Buckled
Passenger's Seat Position Switch Status	Rearward
Ignition Cycle Count at Deployment	2767
Ignition Cycle Count at Download	2769
Maximum Recorded Velocity Change (MPH)	-35.98
Event Recording Complete	Yes

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	IbB Engineering GmbH	www.ibb-engineering.org

Vehicle Coverage

► The CDR Tool currently supports multiple automobile manufacturers and over 150 million registered passenger vehicles, light trucks and SUVs on the road today.

- Acura
- Alfa Romeo
- Audi
- Bentley
- BMW
- Buick
- Cadillac
- Chevrolet
- Chrysler
- Dodge
- Fiat
- Ford
- GMC
- Holden
- Honda
- Hummer
- Infiniti
- Jeep
- Lamborghini
- Lancia
- Lexus
- Lincoln
- Maserati
- Mazda
- Mercedes-Benz
- Mercury
- MINI
- Nissan
- Oldsmobile
- Opel
- Pontiac
- RAM
- Rolls-Royce
- Saturn
- Scion
- smart
- SRT
- Suzuki
- Toyota
- Volkswagen
- Volvo
- and others

Admissibility

► CDR reports have a proven track record of admissibility in both civil and criminal cases.