

Test bench:

EPS 200



Diesel boom with new opportunities for qualified service

Modern high-pressure Diesel fuel-injection systems are the driving force behind the sustained Diesel boom. Due to the widespread use of Diesel technology, new growth areas are available to workshops in a rapidly growing market.

EPS 200 – checking Diesel components quickly with little effort:

- ▶ UI nozzles via adapters (Unit Injector)
- ▶ 1-spring/2-spring nozzle-and-holder assembly (DHK)
- ▶ Nozzle-and-holder assembly with needle-motion sensor (NBF)
- ▶ Nozzle-and-holder assembly from external brands
- ▶ Stepped holders
- ▶ Solenoid-valve CRI¹
- ▶ Solenoid-valve CRIN¹
- ▶ Solenoid-valve CRI from external brands

New: In addition to our own test values CD “TestData”, test values for Diesel components from Delphi, Denso and Conti/Siemens for EPS 815, EPS 708 and EPS 200 are available from the data provider Refdat and can be downloaded from the workshop under www.refdat.net

Higher performance in a compact format: EPS 200 Efficient Common Rail injector testing

Delivery quantity-based injector test through quantity measurement of

- ▶ Pre-injection (VE)
- ▶ Idling (LL)
- ▶ Full-load (VL)
- ▶ Fuel return

with solenoid CRI/CRIN².

Conventional nozzle testing

- ▶ Check of the combination leak-tightness (internal leak test)
- ▶ Seat-tightness test
- ▶ Electrical “chattering check”
- ▶ Measurement of nozzle-opening pressures

Updates for CRI/CRIN components can be called via the TestData CD.

Checking Diesel components **automatically**, reliably and **economically**



CRI/CRIN (Common Rail Injectors passenger cars / commercial vehicles)



UI (Unit Injector)



Nozzle holder

EPS 200 – an overview of the advantages:

User and environmentally friendly

- ▶ Integrated extractor device for minimizing oil mist in the workshop

Efficient work

- ▶ Excellent economy through automatic test sequence, simple menu guidance with graphic and numeric presentation of the measured results
- ▶ Integrated database for saving test values and customer data
- ▶ Test values already “on board” when device is delivered³, selection by part numbers
- ▶ Realistic operating status through pressure generation up to 1,800 bar by an integrated Common Rail high-pressure pump
- ▶ Warranty assessment⁴ with UI and nozzle-and-holder assembly test possible
- ▶ Integrated flushing program for clean Diesel components

Efficient operation

- ▶ Intuitive user interface with touchscreen operation or a PC keyboard

Future-proof and flexible design

- ▶ Space-saving thanks to compact shape
- ▶ Windows XP embedded operating system, monitor port, e.g. for beamer

¹ Injector rate matching classifications can not be carried out.

² A warranty assessment for the CRI/CRIN test is not possible with the EPS 200.

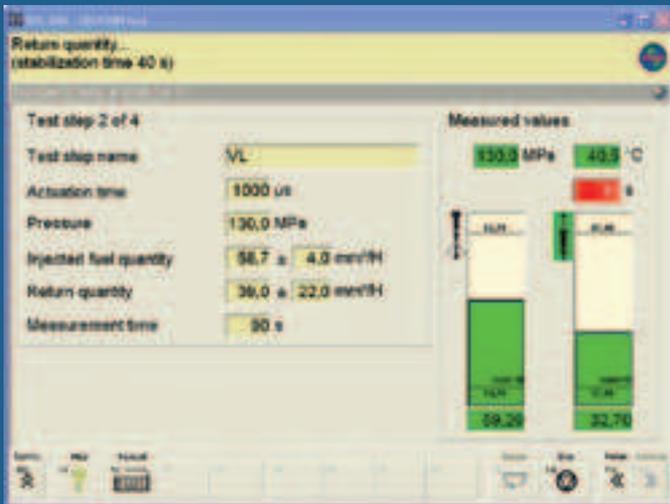
³ Opening pressures of the UIs and nozzle-and-holder assemblies (possibly with 1st and 2nd nozzle opening pressure) are included in the database. Test values for CRI/CRIN up to 12/2008 are contained in the database; an update is via the TestData CD subscription.

⁴ Simple acquisition of the EPS 200 does not entitle you to perform warranty work for Robert Bosch GmbH.

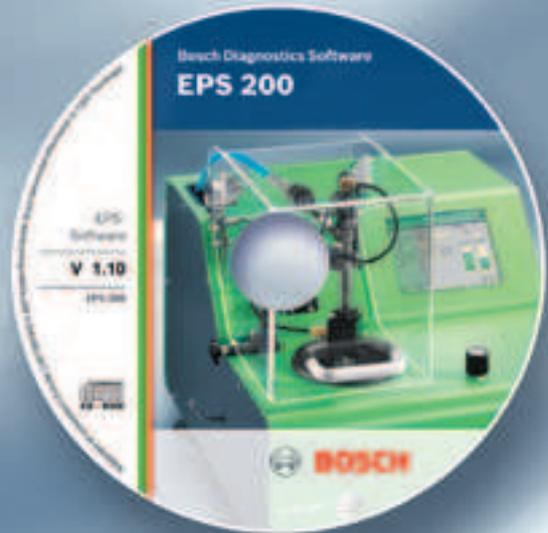
Only workshops that have a corresponding contractual relationship with Robert Bosch GmbH are entitled to do such work.

Test equipment:

EPS 200



Intuitive user interface with touchscreen operation



Device overview and special accessories

Designation	Order number	Use
EPS 200 (400 V)	0 683 803 200	For checking nozzle-and-holder assembly (Bosch and external brands), UI nozzles and solenoid CRI (Bosch applications)
EPS 200 (200 V)	0 683 803 201	For checking nozzle-and-holder assembly (Bosch and external brands), UI nozzles and solenoid CRI (Bosch applications)
EPS 200 A (400 V)	0 683 803 202	As EPS 200 incl. CRI Delphi/Denso, CRIN-Bosch
EPS 200 A (200 V)	0 683 803 203	As EPS 200 incl. CRI Delphi/Denso, CRIN-Bosch
Accessories		
CRI Delphi/Denso, CRIN from Bosch	1 687 001 872	For testing solenoid-controlled CR injectors from Delphi and Denso incl. CRIN Bosch, SA for the EPS 200 basic device
Oil catcher pan ¹	1 685 411 077	Pan for placing under EPS 200
UI adapter set for commercial vehicles	1 687 010 147	3-piece UI adapter set for testing UI nozzles for Scania, Iveco and Volvo ²
UI adapter set for commercial vehicles	1 687 010 338	2-piece UI adapter set for testing UI nozzles for Iveco and Detroit ²
UI adapter set for passenger cars	1 687 001 857	3-piece UI adapter set for testing UI nozzles from the Volkswagen Group ²
UI adapter Nissan	1 681 335 111	Adapter for testing UI nozzles from Nissan
Nozzle-and-holder assembly connector	1 683 391 193	Radial
Nozzle-and-holder assembly connector	1 683 391 194	Axial, Opel
Nozzle-and-holder assembly reducing adapter	1 680 362 047	M 16 x 1.5 (commercial vehicle-specific)
Nozzle-and-holder assembly reducing adapter	1 680 362 000	M 18 x 1.5 (commercial vehicle-specific)
Nozzle-and-holder assembly reducing adapter	1 680 362 001	M 22 x 1.5 (commercial vehicle-specific)
Nozzle-and-holder assembly reducing adapter	1 680 362 044	M 24 x 1.5 (commercial vehicle-specific)
Nozzle-and-holder assembly reducing adapter	1 680 362 002	M 26 x 1.5 (commercial vehicle-specific)
Nozzle-and-holder assembly reducing adapter	1 680 362 045	M 27 x 1.5 (commercial vehicle-specific)
Printer PDR 374	1 687 001 850	Color inkjet printer incl. USB cable
CD/DVD drive ¹	1 687 022 932	External DVD drive for connection to the EPS 200
Power unit ¹	1 687 022 890	Power unit for CD/DVD drive
Mains cable ¹	1 684 461 106	Mains cable for power unit
CD EPS 200 system software	1 687 005 050	Software version 1.10 incl. pre-injection for retrofitting
CD TestData	1 687 370 270	Specified data on CD TestData for CR injectors (pass. car/comm. veh.) Note: Update subscription via ESI[tronic] ServiceLine