BOSCH
Invented for life

Everything for diesel service

Diagnosis, testing and repair tools

Diesel service from Bosch: precise, professional and fast

Bosch offers a comprehensive range of professional diagnostic and repair solutions for modern and conventional diesel systems. From the uncomplicated troubleshooting and efficient component testing to the repair of diesel vehicles, systems and components in line with current market values, Bosch can provide you with everything you need from a single source.

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Diagnosis tools on vehicle

Professional all-round equipment: Bosch has an extensive range of tools for the simple and fast diagnosis of diesel vehicle components.

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Repair tools on vehicle

Besides competent service offers Bosch offers you high-quality tools for a more efficient component repair on the vehicle.

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Test equipment for components

Intuitive, precise and efficient: With Bosch as your partner you always have access to modern and easy to use testing technology for the professional testing of dismounted diesel components.

Common Rail Systems

18 **DCI 700**
CR injector test benc

22 **EPS 708**
CR test bench

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CR injector & nozzle holder tester

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CR injector tester

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Nozzle holder tester

Accessories

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Repair tools for components

Besides competent service offers Bosch offers you high-quality tools for a more efficient repair of individual components.

Fit for today and tomorrow

Proven diesel technology

Many years of experience in diesel technology, workshop equipment and testing technology make Bosch one of the leading suppliers in this field worldwide. Innovations in development and production have resulted in modern high-pressure systems in recent years. Bosch is pursuing a holistic approach to mobility: solutions become developed around the vehicle and beyond. This is how Bosch meets the changing requirements and makes an important contribution to the sustainability of the industry. With the competence from the original equipment, innovative test devices including the corresponding software ESI[tronic] were developed in parallel.

They enable the diesel systems to be diagnosed on the vehicle, in order to then specifically replace defective components. Bosch is thus paving the way for all workshops to use modern diesel systems and to contribute to achieve current and future emission targets.

The innovative developments in diesel technology combine high performance and economical fuel combustion. With its components and systems Bosch makes the diesel future-proof – and offers solutions for professional service.

Efficient and flexible component testing and repair

Thanks to Bosch diagnostic and testing solutions and of the numerous retrofit kits, component testing and repair can be conducted according to manufacturer's specifications. This ensures that

- accurate and reproducible measured values are determined
- a warranty assessment according to manufacturer specifications is possible
- a contribution to achieve current and future emission targets is made

The Configurator

Diesel component testing and repair
bit.ly/AA_Configurator

Configure your test bench according to your requirements and experience more about our wide range of services

Diagnosis tools on vehicle

Diesel sets

Diesel set 1
for testing low pressure circuits
0 986 613 100

Diesel set 2
for venting of low pressure systems
0 986 610 234

Measuring instruments and accessories

Backflow meter
to determine the fuel return flow rate on CR injectors
0 986 612 950

Adapter set for Bosch CRI2-18, -20, 90° angled type
0 986 613 696

Adapter set for Bosch CRI2-18, -20, straight type
0 986 613 926

Denoxtronic

Denoxtronic 1 test kit
for testing supply and dosing module on the vehicle
0 986 610 800

Denoxtronic 2 test kit
to test the metering and supply volumes
0 986 610 450

Denoxtronic PC/LD test kit
for exhaust aftertreatment on Denoxtronic 3.1 and Denoxtronic 5.x
0 986 613 900

Denoxtronic PC/LD Upgrade Kit 3.1 to 5.x
retrofit kit for Denoxtronic test kit
0 986 610 930

Substitute loads

CRI substitute load
for testing the triggering signal at solenoid valve CR injectors (passenger cars only)
0 986 612 745

Adapter leads

HFM-7 adapter lead
hot film air mass meter, 4-pin
1 684 463 835

Accessories

PSG-5 test box
for testing the PSG5 inputs and CAN-L and CAN-H signals
0 986 612 447

Designation	Description	Order number
Diesel sets		
Pressure gauge	Special gel-damped pressure gauge for measuring supply pump pressure during operation on vehicle, recommended for UI systems	1 687 231 906
Diesel Set 3 and Diesel Set 3.1 extension kit	Upgrading existing Diesel Set 3 and Diesel Set 3.1 (from FD 109) for checking the RDS function (operation range) during engine running	0 986 613 925
Upgrade kit from Diesel Set 3 to Diesel Set 3.1	Upgrading existing Diesel Set 3 for testing CP4.1 and CP4.2 Common Rail high-pressure pumps	0 986 614 310
Substitute loads		
CRI-Piezo substitute load	Check trigger signal on solenoid valve CR injectors (passenger cars and commercial vehicles): To enable the triggering signal to be checked, a substitute load must be used instead of a functioning injector	0 986 612 793
CRI/CRIN substitute load	Check trigger signal on solenoid valve CR Piezo injectors (passenger cars only): To enable the triggering signal to be checked, a substitute load must be used instead of a functioning injector	0 986 610 099

Designation	Description	Order number
Measuring instruments and accessories		
Sealing parts set	Closure part-set: For return lines pipes made of hard plastic to close these pipes (1 set = 6 pcs) for back flow measuring device 0 986 612 950	0 986 612 900
Connection adapter set, Delphi CR injectors	Hydraulic backflow connector to Delphi injectors for testing the backflow quantity with 0 986 612 950 (1 set = 6 pcs)	0 986 613 902
Connection adapter set, Siemens and VDO CR injectors	Hydraulic backflow connector on Siemens/ VDO/Continental injectors for testing the backflow quantity with 0 986 612 950 (1 set = 6 pcs)	0 986 613 906
Connection adapter set, Bosch Piezo CR injectors	Hydraulic backflow connector with pressure holding valve on Bosch Piezo injector (CRI3-x) for testing the backflow quantity with 0 986 612 950 (1 set = 6 pcs)	0 986 613 922
Connection adapter set, Denso CR injectors	Hydraulic backflow connector to Denso injectors for testing the backflow quantity with 0 986 612 950 (1 set = 6 pcs)	0 986 613 923
Connection adapter, Delphi CR injectors 45°	Hydraulic backflow connector 45° angeld to Delphi CR injectors for testing the backflow quantity with 0 986 612 950 (1 set = 1 pc)	0 986 610 976
Connection adapter, Delphi CR injectors 90°	Hydraulic backflow connector 90° angeld to Delphi CR injectors for testing the backflow quantity with 0 986 612 950 (1 set = 1 pc)	0 986 610 979
Connection adapter, Siemens and VDO CR injectors	Hydraulic backflow connector 90° angeld to Siemens, VDO injectors for testing the backflow quantity with 0 986 612 950 (1 set = 1 pc)	0 986 610 908
Adapter leads		
HFM5	Adapter lead with voltage stabilizer chip for testing the HFM5 (hot film air mass meter) in both the mounted and dismoutned state	0 986 610 129
HFM6	Adapter lead for electrical checking of HFM6 (hot film air mass meter, 4-pin) on vehicle	0 986 610 067
HFM6	Adapter lead for electrical checking of HFM6 (hot film air mass meter, 4-pin) on vehicle	0 986 610 195
HFM6	Adapter lead for electrical checking of HFM6 (hot film air mass meter, 5-pin) on vehicle	0 986 610 196
HFM6	Adapter lead for electrical checking of HFM6 (hot film air mass meter, 5-pin) on vehicle	0 986 610 441
HFM6	Adapter lead for electrical checking of HFM6 (hot film air mass meter, 5-pin) on vehicle	0 986 610 651
HFM7	Adapter lead for electrical checking of HFM7 (hot film air mass meter, 4-pin) on vehicles of Fiat Group, Ford and Suzuki	1 684 463 738
HFM7	Adapter lead for electrical checking of HFM7 (hot film air mass meter, 8-pin) on vehicles of GM Group	1 684 463 836
Denoxtronic		
Denoxtronic 2.2	In order to be able to assess the delivery rate of the Denoxtronic 2.2 delivery module, a special dosing module must be used	0 986 610 522
Accessories		
Setting device KDEP 1880	Measuring device, length 48 mm with an M10x1 internal thread for mounting the injection pump at the engine. To measure the prestroke or K1 measureing point of distributor pump (VE.F, VE.E)	0 986 612 480

Repair tools on vehicle

Besides competent service offers Bosch offers you high-quality tools for a more efficient component repair on the vehicle.

Repair tools on vehicle

Cleaning tool

Suction device
for cleaning surfaces
0 986 613 111

Mounting sleeves

O-Ring mounting sleeve
for mounting O-Rings on Common Rail injectiors (CRIN)
0 986 612 930

Measuring devices

Measuring device
to set the start of the conveyor
1 687 233 012

Puller and extractor tools

Puller
Pull extractor to remove Common Rail injectors
0 986 612 727

CRI Extractor claw
Universal extractor claw for dismounting Common Rail injectors on Mercedes- Benz and PSA passenger cars in combination with:
0 986 611 499 or 0 986 612 727
0 986 612 872

CRI/CRIN extractor
for removing CRI/CRIN injectors from Iveco Turbo Daily
0 986 612 374

CRI Piezo exctractor
Adapter for removing Bosch CR Piezo injectors and unit pumps from the engine in combination with:
0 986 611 499 or 0 986 612 727
0 986 612 885

CRI Extractor
CR injector puller in conjunction with 0 986 612 727 or 0 986 611 499
0 986 612 782

Diesel sets

Diesel Set 2
for venting of CR systems
0 986 610 234

Accessories

Workbench
especially for the repair of diesel components
0 986 613 300

Denoxtronic 3.1 tool kit
for dismantling of the heating pot from the tank
0 986 610 680

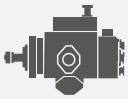
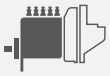
Designation	Description	Order number
Cleaning tool		
Sealing pin set dia. 7.2 mm	Sealing pin diameter 7.2 mm. Used to seal the nozzles/injector bore when cleaning the surface/front face (6x pin and 1x rod)	0 986 612 917
Sealing pin set dia. 9.2 mm	Sealing pin diameter 9.2 mm. Used to seal the nozzles/injector bore when cleaning the surface/front face (6x pin and 1x rod)	0 986 612 909
CRI/CRIN cleaning set	Cleaning kit to clean the area of nozzle support surface on Common Rail injectors (CRI/ CRIN), unit injectors (UI) and nozzle holder assemblies. In addition, this nozzle holes must be closed during cleaning with the sealing pin sets (0 986 612 909 or 0 986 612 917)	0 986 612 729
Puller and extractor tools		
CRI turning device	For CRI with side high-pressure connection: The injector is twisted slightly and can be loosened more easily	0 986 611 481
Puller	Pull extractor to remove Common Rail injectors with: 0 986 612 885, or 0 986 612 782, or 0 986 612 728, or 0 986 612 872	0 986 611 499
Support wench	Locating wench for drive gear to Common Rail high-pressure pump CP2	0 986 612 857
Puller	Extractor for drive end shield cover for Common Rail high-oressure pump CP2	0 986 612 859
Puller	UI extractor from the VW Group 1.9l with UIS/PDE diesel engines	0 986 612 750
Mounting sleeves		
O-Ring mounting sleeve	Easy assembly of CR pressure control valve O-Ring without damaging the filter element	0 986 612 787
O-Ring mounting sleeve set	Ring spanner for mounting sleeves for installing the O-Ring in unit injectors (cars) of the 1. generation lackering the fuel injection leads (1 set = 3 pcs)	0 986 613 824
O-Ring mounting sleeve set	Mounting sleeve set for mounting O-Rings on unit injectors on VW diesel engines (Cars) of 2. generation (1 set = 2 pcs)	0 986 611 490
O-Ring mounting pin	Mandrel for fitting the O-Rings at return of Common Rail injectiors (Piezo) without damage	0 986 614 030
Measuring devices		
Start of delivery measuring device	Measuring device for start of injection on VP44 (BMW and MAN) Not included in 0 986 614 130, but included in VPM 844 1 687 001 844, VPM 844 1 687 002 844	1 688 130 237
Delta Phi measuring device	Measuring device (DPHI1, VP29/-30; Opel, Ford), also included in scope of delivery of VPM 844 1 687 001 844, VPM 844 1 687 002 844	1 688 130 239
Delta Phi measuring device	Measuring device, length 48 mm with an M10x1 internal thread for mounting the injection pump at the engine. To measure the prestroke or K1 measureing point of distributor pump (VE.F, VE.E)	0 986 612 480

Test equipment for components

Intuitive, precise and efficient:
With Bosch as your partner you always have access to modern and easy to use testing technology for the professional testing of dismounted diesel components.

Test Equipment
for components

Common Rail Systems

	DCI 700 Injector test bench	**EPS 708** CR test bench
Conventional pumps  	-	-
Common rail pump	-	●
Common rail injector up to EURO 4	●	●
Common rail injector EURO 5, EURO 6	●	-
CRIN 4.2 injectors	●	-
Nozzle holder (conventional and UP)	-	-
Nozzle holder with adapter (UI)	-	-

Conventional Systems

EPS 205 CR injector & nozzle holder tester	**EPS 118** CR injector tester	**EPS 625** Conventional pump test bench	**EPS 100** Nozzle holder tester
–	–	●	–
–	–	–	–
●	●	–	–
–	–	–	–
–	–	–	–
●	–	–	●
●	–	–	●

CR injector test bench:
DCI 700

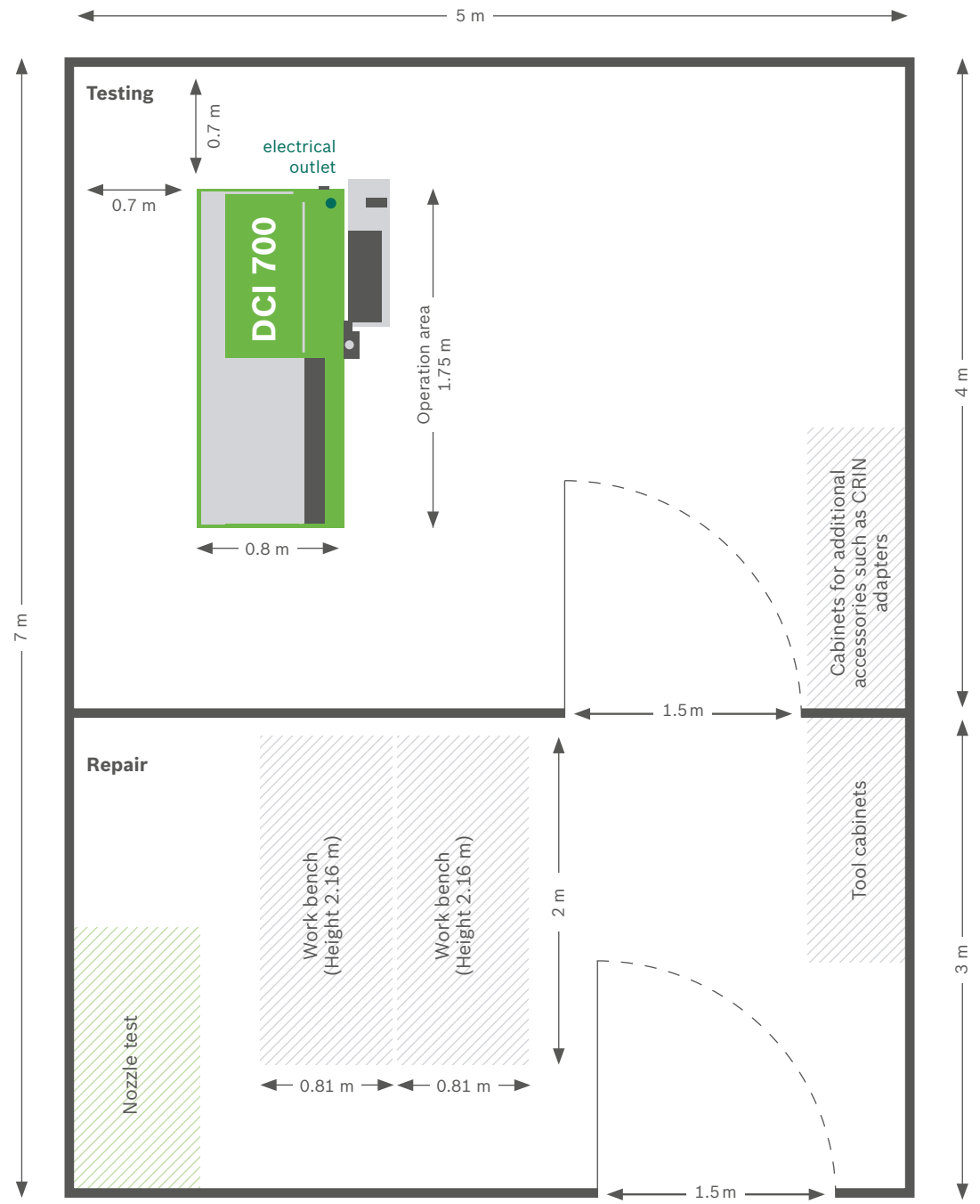
DCI 700 400 V, 3 PH, 50/60 Hz 0 683 725 001
DCI 700 200 V, 3 PH, 50/60 Hz 0 683 725 002

Precision and speed that inspire
The latest exhaust emission standards and future directives increase the significance of testing common rail injectors in modern diesel engines. Thanks to the high-speed precision of the new DCI 700 measurement system, workshops can gain a competitive advantage and benefit at the same time from short assembly and testing times and user-friendly operation.

Features

- Savings in time and higher throughput as 4 standard injectors are clamped and unclamped in a mere 5 minutes, with an average test duration of only 15 minutes
- Fit for the future with the possibility to test diesel injectors for passenger cars and commercial vehicles – from Bosch and other manufacturers
- Capable of testing new VCC and NCC technologies to the manufacturers' specifications
- Higher quality, reliability and transparency thanks to fast and precise testing, including IMA/NIMA coding
- Maximum effectiveness through ergonomic processes and intuitive operating concept
- Software updates and test plans available for easy and convenient downloading
- Low maintenance costs as vulnerable high-pressure hoses are no longer required

Space and work area requirements: **DCI 700**



The ideal work bench for diesel service (0 986 613 300)
The workplace for servicing diesel pumps and components must meet the highest requirements with regard to cleanliness, clarity and functionality, as even the smallest dirt particles can lead to malfunctions in the diesel systems.

The area should be equipped as follows:
- Floor of sealed concrete with damping at the test bench bases
- Sufficient ventilation through an exhaust air system for carrying away vapors
- Noise insulation is recommended

Accessories:
DCI 700

Injector testing

CRI Bosch
for testing
Bosch CR injectors
in scope of delivery

CRIN Bosch[1]
for testing Bosch CR
commerical vehicle injectors
1 687 010 607

CRIN Bosch 4.2
for testing Bosch CR 4.2
commerical vehicle injectors
1 687 010 608

CRI Bosch 3rd party
for testing CR injectors of
other manufacturers
1 687 010 609
coming soon

Basic test bench DCI 700[2]

[1] For related adapters see special accessories on page 39
[2] Illustration shows optional accessories: keyboard, mouse

CR test bench:
EPS 708

EPS 708	400 V, 3 PH, 50 / 60 Hz with cooling system	0 683 708 020
EPS 708	200–240 V, 3 PH, 50 / 60 Hz with cooling system	0 683 708 021
EPS 708	400 V, 3 PH, 50 / 60 Hz without cooling system	0 683 708 001
EPS 708	200 –240 V, 3 PH, 50 / 60 Hz without cooling system	0 683 708 002

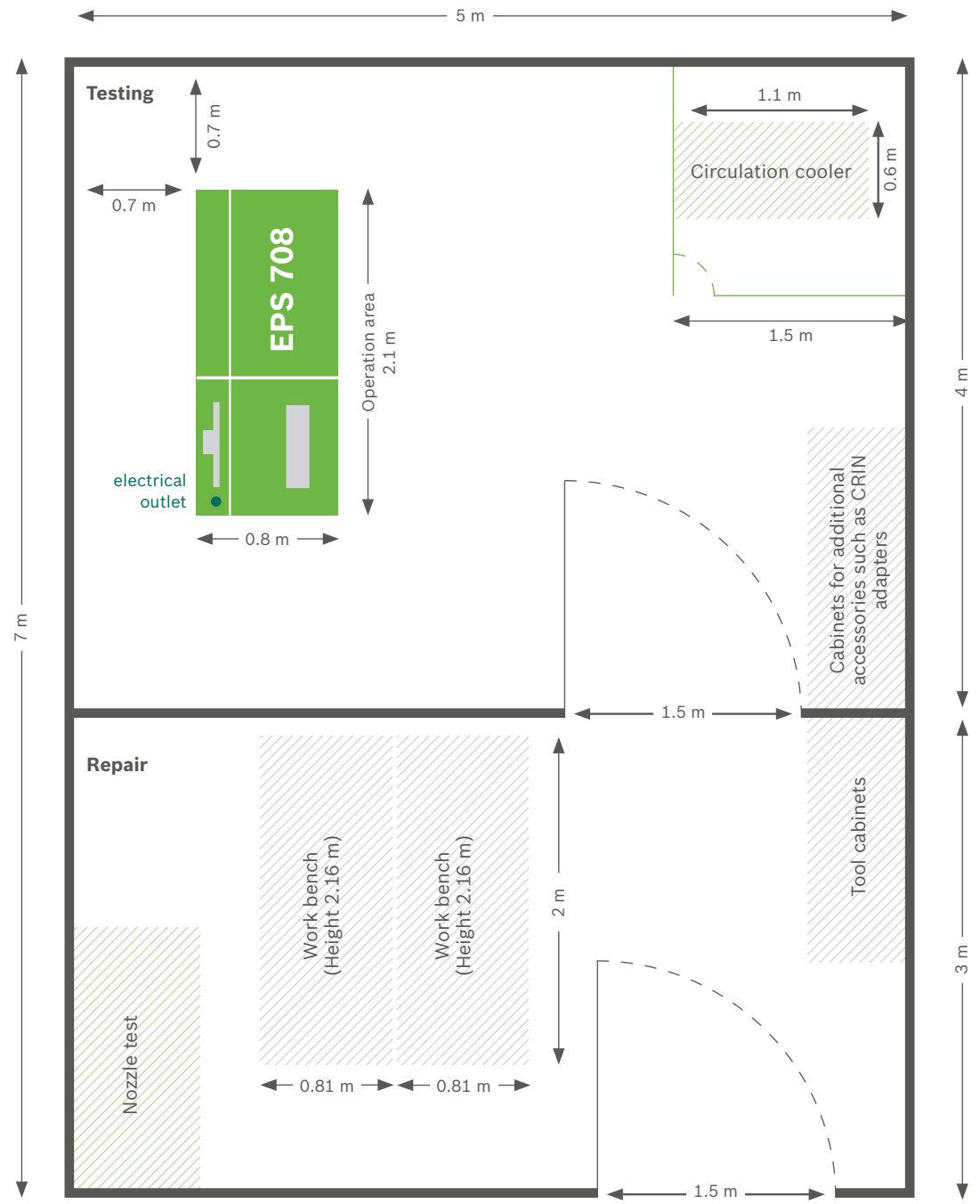
Powerful and universal

The Bosch EPS 708 diesel test bench, specially designed for common rail injection pumps and injectors, allows testing up to 2,200 bar.

Features

- Electronic quantity measurement for cost-effective testing of Common Rail components
- Electronic supply pressure control for pump and lube oil supply
- Simple pump assembly without clutch cover
- Integrated cooling system reduces water consumption in the workshop (water-cooling available as an option)
- Electronic monitoring and display of service intervals (e.g. test oil change)
- Self-diagnosis system indicates necessary filter change

Space and work area requirements: **EPS 708**



The ideal work bench for diesel service (0 986 613 300)
The workplace for servicing diesel pumps and components must meet the highest requirements with regard to cleanliness, clarity and functionality, as even the smallest dirt particles can lead to malfunctions in the diesel systems.

The area should be equipped as follows:
- Floor of sealed concrete with damping at the test bench bases
- Sufficient ventilation through an exhaust air system for carrying away vapors
- Noise insulation is recommended
- A water connection with supply and drain line or circulation cooler

Accessories:
EPS 708

Basic test bench EPS 708[3]

Pump testing

CP1 / CP3 kit
for testing CP1/CP3 pumps
1 687 010 346

CP4 kit
for testing CP4 pumps
1 687 010 390

CB18 kit
for testing CB18 pumps
1 687 010 402

CP kit[1]
for testing CR pumps and
injectors of other manufacturers
1 687 010 183

VDO kit[2]
for testing CR
pumps (Continental)
1 687 010 193

CR injector & nozzle holder tester: **EPS 205**

For related adapters see special accessories on page 36

EPS 205 400 V, 3 PH, 50/60 Hz 0 683 803 205
EPS 205 200 V, 3 PH, 50/60 Hz 0 683 803 206

Fast, precise, automatic
Common-rail injectors and nozzle holder combinations can be tested safely and easily with the EPS 205.

Features

- Very high economic feasibility through automatic testing, simple menu with graphical and numerical display of measurement results
- Integrated database for storage of test values and customer data
- Test values “on board” (CD Test Data) on delivery of the device, selection via part numbers
- Integrated flushing program for clean diesel components in DHK and UI testing
- Realistic operating state from pressure generation up to 1800 bar via the integrated common-rail high pressure pump
- Intuitive user interface with touch-screen operation
- Simple shutdown of the return flow counter pressure
- Space-saving compact form
- Windows XP embedded operating system
- Interface for printer, monitor, CD/DVD drive, keyboard, mouse, network connection

CR injector tester:
EPS 118

For related adapters see special accessories on page 36

EPS 118 100–240 V, 1 PH, 50/60 Hz 0 683 803 119

The Check & Change Tester, for every workshop

In the field of diesel injection equipment, common rail systems are steadily gaining in popularity. The new EPS 118 now allows smaller workshops to test all injector models efficiently and with ease. This not only extends the service offering, but also makes daily work at the shop easier.

Features

- Precise and fully automatic injector testing
- Simple and fast set-up
- Intuitive operator interface (touchscreen)
- Supports a wide range of injectors from many manufacturers
- Report printout
- Database with test values
- Additional injector-specific information
- Display of spray pattern at all pressures
- Clear presentation of test results for workshop and customer
- Space-saving bench top unit (60 x 60 cm)
- Several types of result presentation

Conventional pump test bench:
EPS 625

EPS 625 HMI-Version

EPS 625	415 V, 3 PH	F 002 DG0 921
EPS 625	220 V, 3 PH	F 002 DG0 922

EPS 625 PC-Version

EPS 625	415 V, 3 PH	F 002 DG0 923
EPS 625	220 V, 3 PH	F 002 DG0 924

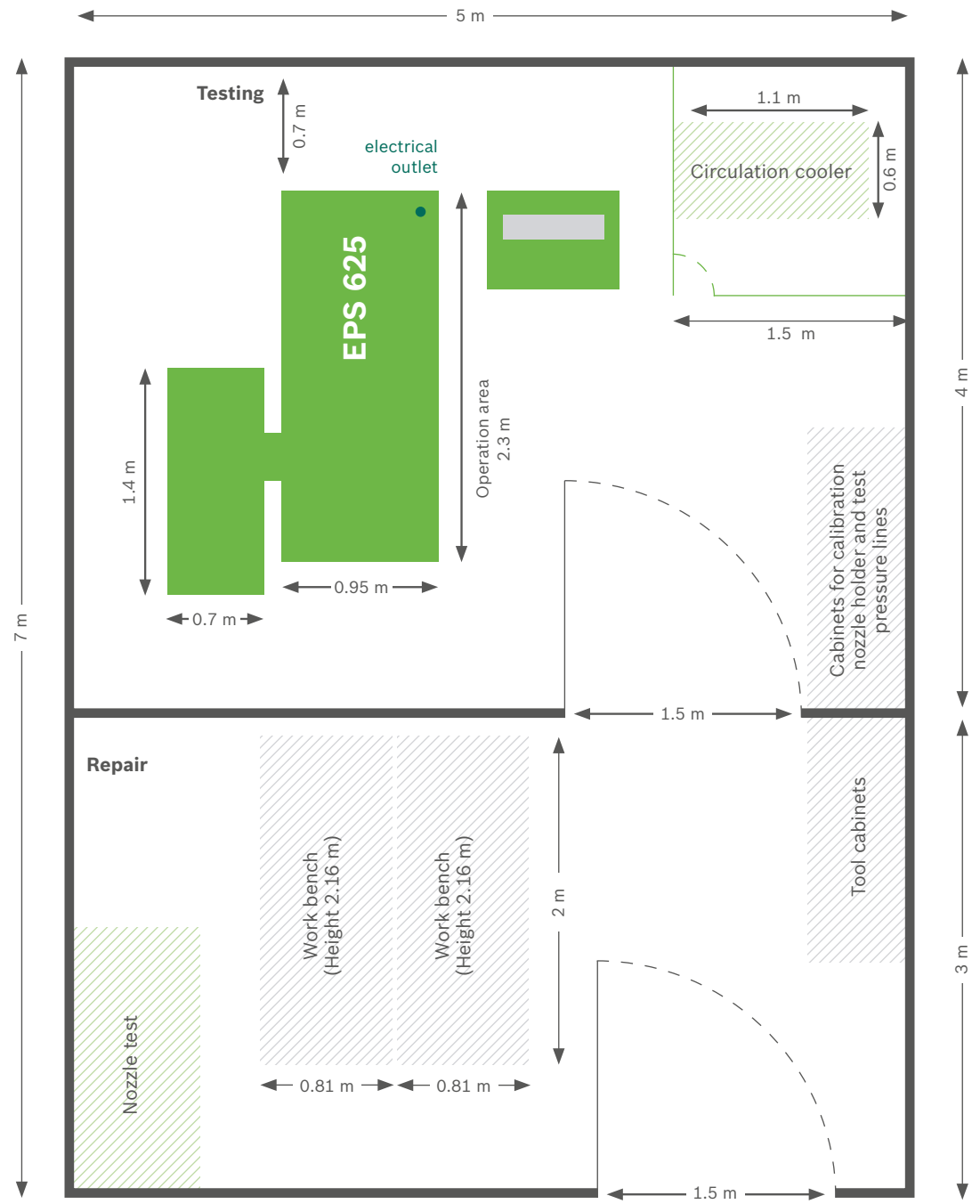
Your ticket to diesel testing technology

By using the EPS 625 universal component test bench, powerful conventional inline and distribution injection pumps, both from Bosch as well as other manufacturers, can be tested. As a result, the specifications from the engine and vehicle manufacturers can be maintained. Thanks to its robust and easy-to-use technology, the EPS 625 is a cost effective and long-lasting investment for the workshop.

Features

- Maintenance-free drive element with high efficiency
- Long service life for the high pressure lines, since the measuring unit can be adjusted in three dimensions
- Excellent smooth running characteristics and rotational speed stability ensure high repeatability
- High flywheel mass
- Rotational speed control with an extremely short governing time
- Integrated load pressure control unit
- Automatic test oil heating controlled via the supply or return
- Easy operation via a high definition 5.7 inch LCD display for showing the setpoint/actual values of the drive rpm, the set and actual stroke values, the test oil tank temperature, and the supply and return temperatures

Space and work area requirements: **EPS 625**



The ideal work bench for diesel service (0 986 613 300)
The workplace for servicing diesel pumps and components must meet the highest requirements with regard to cleanliness, clarity and functionality, as even the smallest dirt particles can lead to malfunctions in the diesel systems.

The area should be equipped as follows:
- Floor of sealed concrete with damping at the test bench bases
- Sufficient ventilation through an exhaust air system for carrying away vapors
- Noise insulation is recommended
- A water connection with supply and drain line or circulation cooler

Accessories:
EPS 625

Pump testing

Basic set
für H-/R-/A-/M-MW-/P-/VE pumps
1 687 005 018

A pump set[1]
for testing and adjusting
of A pumps from Bosch
1 687 005 019

M & MW pump set[1]
for testing and adjusting of PES M
and PE(S) MW pumps from Bosch
1 687 005 020

P pump set[1]
for testing and adjusting
of P pumps from Bosch
1 687 005 021

H-/R pump set[1]
for testing and adjusting of EDC
inline pumps from Bosch
1 687 005 023

Basic test bench EPS 625

VE pump set
for testing and adjusting of
VE pums from Bosch
1 687 005 022

DEVICES NO LONGER AVAILABLE

ACCESSORIES ARE CONTINUED

For controlling and testing EDC distributor pumps VE.E (VP26, VP36, VP37) these two devices are required

[1] Additionally required special accessories, which are not included in the basic set

Nozzle holder tester:
EPS 100

EPS 100 0 684 200 704

For efficient and flexible work
Facilitates reading the opening pressure of injection nozzles

Features

- Testing and adjustment of injection-nozzle opening pressure
- Assessment of the injection spray with regard to shape and atomization (injection-spray pattern)
- Checking for leaks in injection nozzles, and checking the chatter properties on two-spring nozzle holders, stepped nozzle holders, and UI / UP applications
- Reduced total error (+ / - 2.4 bar) through high read-off (1 bar) and pressure gauge accuracy
- Idling vibrations of the engine can be avoided by extremely accurate analysis of the smallest possible leaks
- Direct extraction of the oil mist when testing injection nozzles (only in conjunction with EPS 738)

Accessories:
EPS 100

Designation	Order number
For testing the extraction device	
Extraction device EPS 738	0 684 200 702
Nozzle holder combination from Bosch	
Passenger car DHK for Opel with 20 DTH motors	1 683 391 194
Commercial vehicle DHK for Mercedes-Benz Actros/Atego/Axor	1 683 391 193
Commercial vehicle DHK with connection thread M16x1.5	1 680 362 047
Commercial vehicle DHK with connection thread M18x1.5	1 680 362 000
Commercial vehicle DHK with connection thread M22x1.5	1 680 362 001
Commercial vehicle DHK with connection thread M24x1.5	1 680 362 044
Commercial vehicle DHK with connection thread M26x1.5	1 680 362 002
Commercial vehicle DHK with connection thread M27x1.5	1 680 362 045
Unit-Injector-Düse	
UI nozzle for Audi, Seat, Scoda and VW	1 687 001 857
UI nozzle for Nissan	1 681 335 111
UI nozzle for DDC and Iveco with UI-N3 PDE (pump-nozzle unit)	1 687 010 338
UI nozzle for Scania, Volvo and Iveco with UI-N1 PDE (pump-nozzle unit)	1 687 010 147

Accessories:
EPS 815

Conventional pump testing

Basic set
for H- / R- / A- / M-MW- / P-/ VE pumps
1 687 005 018

A pump set[1]
for testing and adjusting
of A pumps from Bosch
1 687 005 019

M&MW pump set[1]
for testing and adjusting of PES M
and PE(S) MW pumps from Bosch
1 687 005 020

P pump set[1]
for testing and adjusting
of P pumps from Bosch
1 687 005 021

H-/R pump set[1]
for testing and adjusting of EDC
inline pumps from Bosch
1 687 005 023

VE pump set
for testing and adjusting of
VE pums from Bosch
1 687 005 022

TEST BENCH EPS 815 NO LONGER AVAILABLE

ACCESSORIES ARE CONTINUED

Basic test bench EPS 815
(in conjuction with KMA 802)

CP1/CP1H kit
for testing CRH pumps
of 1st generation
1 687 010 341

CP2/CPN2 kit
for testing commercial
vehicle CR pumps
1 687 010 342

CP3 kit
for testing CP3 pumps
1 687 010 182

CP4 kit
for testing CP4 pumps
1 687 010 490

CB18 kit
for testing CB18 pumps
1 687 010 402

CB28 kit
for testing CB28-Pumpen
1 687 010 496

CP kit[2]
for testing CR pumps
of other manufacturers
1 687 010 183

VDO kit[3]
for testing CR pumps
(Continental)
1 687 010 193

CRI 3rd party kit[4]
for testing Delphi and
Denso CR injectors
1 687 010 186

CRI Piezo kit[5] for testing
CR Piezo injectors (Bosch/
Denso/Siemens/Continental)
1 687 010 333

CRI/CRIN 848 H, CRI/CRIN
& Basic set for CR injectors
1 687 002 848

Common Rail pump testing

Common Rail injector testing

Common Rail System
Basic set, CRS 845H

Common Rail System
Basic set CRS 845H for CR
components (CP/CRI)
1 687 002 845

CAM 847, UI/UP
all-in package
for testing Bosch
UI and UP systems
1 687 001 847

1 Additionally required special accessories, which are not included in the basic set
2 CP from Bosch/Denso/Siemens/Continental
3 Companies with Continental service contract
4 CRI from Delphi/Denso
5 CRI Piezo from Bosch/Denso/Siemens/Continental

Accessories:
EPS 205

Designation	Description	Order number
Adapter		
Adapter A1i	CRIN Bosch for Cummins, VW, Ford, DCEC, Dongfeng, Kamaz	1 685 720 297
Adapter A2i	CRIN Bosch for Valtra Tractors, SISU Motors	1 685 720 314
Adapter A3i	CRIN Bosch for Iveco, MAN, New Holland, Cummins, Dodge, CDC, Dongfeng, KamAZ, KaVZ, VW, Ford	1 685 720 296
Adapter A4i	CRIN Bosch for Renault, Dongfeng, MAZ, LiaZ, MZKT, Tonar, Ural, YamZ	1 685 720 316
Adapter A5i	CRIN Bosch for MAN, Liebherr	1 685 720 300
Adapter A6i	CRIN Bosch for MAN	1 685 720 318
Adapter A7i	CRIN Bosch for Ford, Otosan, Türky	1 685 720 320
Adapter A8i	CRIN Bosch for Renault, Fent, Deutz, FAW, Volvo, Weichai, Yuchai, Foton	1 685 720 332
Adapter A9i	CRIN Bosch for Deutz, MAZ, YamZ	1 685 720 324
Adapter A10i	CRIN Bosch for FAW	1 685 720 326
Adapter A11i	CRIN Bosch for DCD, Dongfeng	1 685 720 328
Adapter A12i	CRIN Bosch for MAZ, YamZ, Ashok Leyland	1 685 720 330
Adapter A14i	CRIN Bosch for MAN, International Harvester, Shanqi, Foton, CNHTC, Weichai, Liebherr, MTU	1 685 720 334
Adapter A15i	CRIN Bosch for Shanqi, Foton, CNHTC, Weichai	1 685 720 336
Adapter A16i	CRIN Bosch for DHIM, Yuchai, Doosan	1 685 720 338
Adapter A1e	CRIN Bosch for Deutz	1 685 720 340
Adapter A2e	CRIN Bosch for Cummins	1 685 720 342
Adapter A3e	CRIN Bosch for Iveco, New Holland	1 685 720 344
Adapter A4e	CRIN Bosch for Mitsubishi Fuso	1 685 720 346
Adapter A6e	CRIN Bosch for Cummins (Adapter A6e)	1 685 720 358
Adapter A7e	CRIN Bosch for Iveco, CASE, New Holland	1 685 720 360
Adapter A8e	CRIN Bosch for MTU	1 685 720 362
Adapter A10e	CRIN Bosch for Yuchai	1 685 720 366

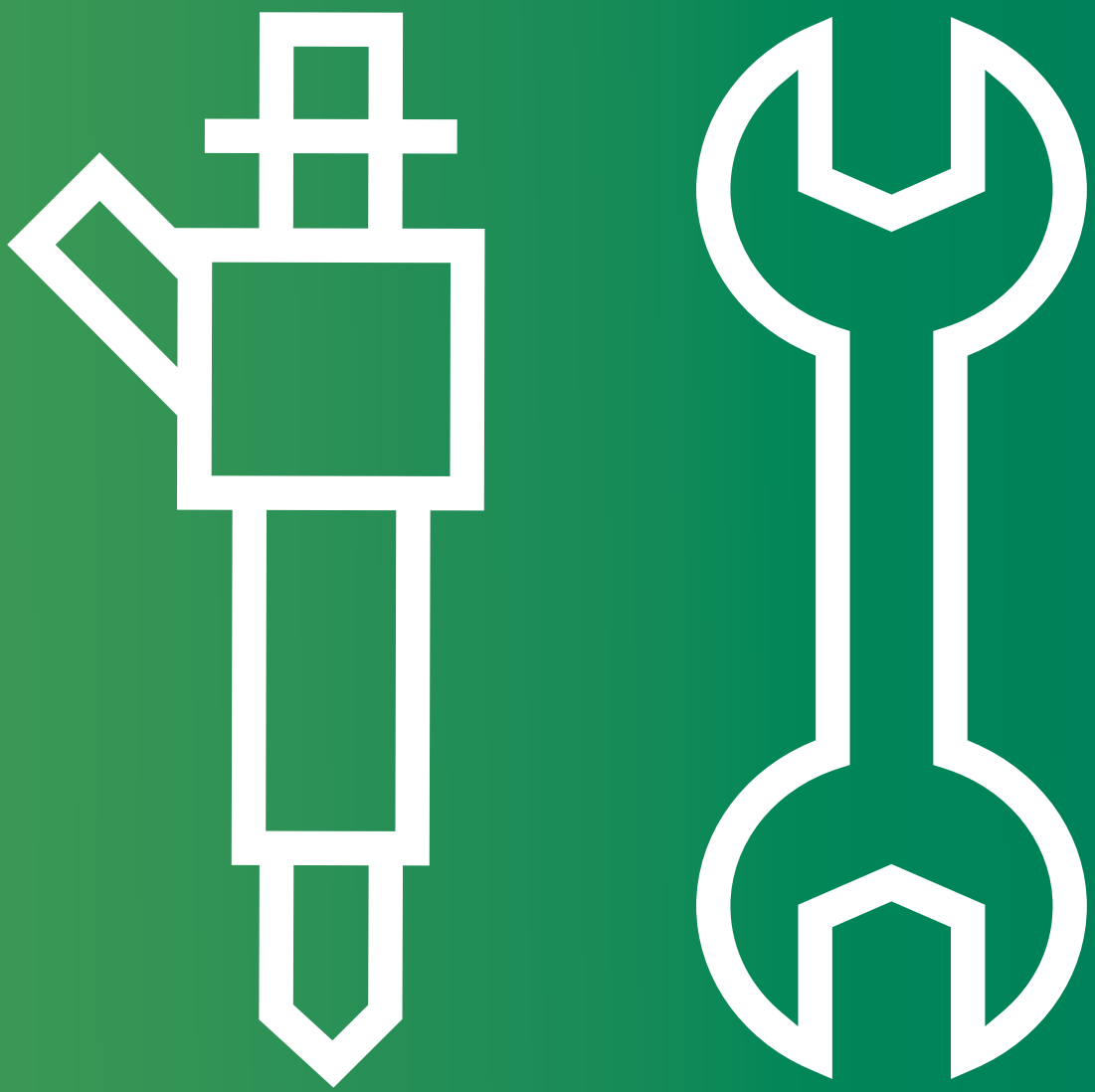
Designation	Order number
3rd party CR injectors	
Passenger car CRI solenoid valve Denso and Delphi	1 687 010 399
Passenger car CRI Piezo Denso and Siemens	1 687 010 400
CRI 3rd party injectors update Kit for EPS 205	1 687 205 016
Unit injector nozzle from Bosch	
UI nozzle for Audi, Seat, Scoda and VW	1 687 001 857
UI nozzle for Nissan	1 681 335 111
UI nozzle for DDC and Iveco with UI-N3 PDE (pump-nozzle unit)	1 687 010 338
UI nozzle for Scania, Volvo and Iveco with UI-N1 PDE (pump-nozzle unit)	1 687 010 147
Nozzle holder combination from Bosch	
Passenger car DHK for Opel with 20 DTH motors	1 683 391 194
Commercial vehicle DHK for Mercedes-Benz Actros/Atego/Axor	1 683 391 193
Commercial vehicle DHK with connection thread M16x1.5	1 680 362 047
Commercial vehicle DHK with connection thread M18x1.5	1 680 362 000
Commercial vehicle DHK with connection thread M22x1.5	1 680 362 001
Commercial vehicle DHK with connection thread M24x1.5	1 680 362 044
Commercial vehicle DHK with connection thread M26x1.5	1 680 362 002
Commercial vehicle DHK with connection thread M27x1.5	1 680 362 045

Accessories:
EPS 118

Designation	Description	Order number
Adapter		
Adapter A5sg with high-pressure screw-in socket	commercial vehicle CRIN Bosch for Liebherr and MAN with D28 motors	1 681 335 122
Adapter A6sg with high-pressure screw-in socket	commercial vehicle CRIN Bosch for MAN with D08 motors	1 681 335 123
Adapter A14sg with high-pressure screw-in socket	commercial vehicle CRIN Bosch for Liebherr, MTU, International Harvester and MAN with D20 motors	1 681 335 124
Hydraulic hose (only 1 unit)	basic kit for hydraulic hoseses can be used with different adapters	1 683 386 166
Adapter A1i	CRIN Bosch for Cummins, VW, Ford, DCEC, Dongfeng, Kamaz	1 685 720 297
Adapter A2i	CRIN Bosch for Valtra Tractors, SISU Motors	1 685 720 314
Adapter A3i	CRIN Bosch for Iveco, MAN, New Holland, Cummins, Dodge, CDC, Dongfeng, KamAZ, KaVZ, VW, Ford	1 685 720 296
Adapter A4i	CRIN Bosch for Renault, Dongfeng, MAZ, LiaZ, MZKT, Tonar, Ural, YamZ	1 685 720 316
Adapter A7i	CRIN Bosch for Ford, Otosan, Türky	1 685 720 320
Adapter A8i	CRIN Bosch for Renault, Fent, Deutz, FAW, Volvo, Weichai, Yuchai, Foton	1 685 720 332
Adapter A9i	CRIN Bosch for Deutz, MAZ, YamZ	1 685 720 324
Adapter A10i	CRIN Bosch for FAW	1 685 720 326
Adapter A11i	CRIN Bosch for DCD, Dongfeng	1 685 720 328
Adapter A12i	CRIN Bosch for MAZ, YamZ, Ashok Leyland	1 685 720 330
Adapter A15i	CRIN Bosch for Shanqi, Foton, CNHTC, Weichai	1 685 720 336
Adapter A16i	CRIN Bosch for DHIM, Yuchai, Doosan	1 685 720 338
Adapter A1e	CRIN Bosch for Deutz	1 685 720 340
Adapter A2e	CRIN Bosch for Cummins	1 685 720 342
Adapter A3e	CRIN Bosch for Iveco, New Holland	1 685 720 344
Adapter A4e	CRIN Bosch for Mitsubishi Fuso	1 685 720 346
Adapter A6e	CRIN Bosch for Cummins (Adapter A6e)	1 685 720 358
Adapter A7e	CRIN Bosch for Iveco, CASE, New Holland	1 685 720 360
Adapter A8e	CRIN Bosch for MTU	1 685 720 362
Adapter A10e	CRIN Bosch for Yuchai	1 685 720 366

Accessories:
DCI 700, EPS 708 und EPS 815

Designation	Description	Order number
Adapter		
Adapter set – A1e	CRIN-Bosch for Deutz, FAW-Dalian, Volvo	1 687 016 094
Adapter set – A1i	CRIN-Bosch for Cummins, Dongfeng, VW, Ford, DCEC, KaMAZ	1 687 016 072
Adapter set – A2e	CRIN-Bosch for Hino	1 687 016 095
Adapter set – A2i	CRIN-Bosch for Valtra Tractors, Sisu Motors, Agco, Alis, Deutz, AP Inc	1 687 016 081
Adapter set – A3e	CRIN-Bosch for Iveco/CASE New Holland	1 687 016 096
Adapter set – A3i	CRIN-Bosch for FPT, Iveco, MAN, CASE New Holland, Cummins, Dongfeng, VW/Ford, TATA Motors, GCIC, CNHI,	1 687 016 111
Adapter set – A4e	CRIN-Bosch for Mitsubishi, Fuso	1 687 016 097
Adapter set – A4i	CRIN-Bosch for Renault, Dongfeng, MAZ, LiaZ, MZKT, Tonar, Ural, YamZ	1 687 016 082
Adapter set – A5i	CRIN-Bosch for MAN, Liebherr, KOEL	1 687 016 099
Adapter set – A6e	CRIN-Bosch for Cummins	1 687 016 147
Adapter set – A6i	CRIN-Bosch for MAN, CNHTC	1 687 016 083
Adapter set – A7e	CRIN-Bosch for FPT, Iveco, CASE, New Holland	1 687 016 148
Adapter set – A7i	CRIN-Bosch for Ford Otosan	1 687 016 084
Adapter set – A8e	CRIN-Bosch for Hino	1 687 016 149
Adapter set – A8i	CRIN-Bosch for DHIM, Doosan, Yuchai	1 687 016 085
Adapter set – A9e	CRIN-Bosch for MTU	1 687 016 150
Adapter set – A9i	CRIN-Bosch for Deutz, MAZ (YamZ)	1 687 016 086
Adapter set – A10e	CRIN-Bosch for Caterpillar/Perkins, Yuchai, SFH PT	1 687 016 151
Adapter set – A10i	CRIN-Bosch for FAW, Yuchai	1 687 016 087
Adapter set – A11e	CRIN-Bosch for FAW Dalian	1 687 016 209
Adapter set – A11i	CRIN-Bosch for Dongfeng, DCD	1 687 016 088
Adapter set – A12i	CRIN-Bosch for Ashok Leyland, MAZ, LiaZ, MZKT, Tonar, Ural, YamZ	1 687 016 089
Adapter set – A13i	CRIN-Bosch for Renault, Fendt, Deutz, FAW, Yuchai, Foton, Weichai, Volvo, CAMC, SDEC, TAFE	1 687 016 090
Adapter set – A14i	CRIN-Bosch for MAN, Liebherr, International Harvester, MWM, Navistar, MTU, Ford Otosan, Volvo, Agrale, MHEPL, JND, SANY; Neoplan	1 687 016 091
Adapter set – A15i	CRIN-Bosch for Shanqi, Foton, CNHTC, Weichai	1 687 016 092
Adapter set – A16i	CRIN-Bosch for DHIM, Yuchai	1 687 016 093
Adapter set – A17i	CRIN-Bosch for MAN	1 687 016 195
Adapter set – A18i	CRIN-Bosch for FAW	1 687 016 206
Adapter set – A19i	CRIN-Bosch for Navistar	1 687 016 211



Repair tools for components

Besides competent service offers Bosch offers you high-quality tools for a more efficient repair of individual components.

Repair tools for components

Common Rail pumps

CP1/CP1H
Tool kit for the repair of CR high pressure pumps
0 986 614 360

CP3 tool board (I)
Tool kit for the repair of CR high pressure pumps
0 986 610 360

CP3 tool board (II)
Tool kit for the repair of CR high pressure pumps
0 986 610 370

CP4 tool boards
Tool kit for the repair
0 986 610 740

CB18 repair tool
Basic kit for repairing the CB18
0 986 614 081

CB28 basic tool
Basic kit for repairing the CB28
0 986 614 082

CB28 additional tool
if no basic set CB18 is available
0 986 614 083

Common Rail injectors

CRI/CRIN
CRI/CRIN level 1– mounting device for nozzle exchange
0 986 610 130

CRI/CRIN
Level 2 tool kit for maintenance/ repair of CRI/CRIN for the solenoid valve assembly
0 986 613 650

CRI
Tool set level 3 for complete repair and adjustment of CRI including the solenoid valve assembly
0 986 610 700

CRI (case variant)
Tool set level 3 for complete repair and adjustment of CRI including the solenoid valve assembly
0 986 610 703

CRIN from Japan and USA production
Level 3
0 986 610 845

Mounting device
for the maintenance/repair of common rail injectors
0 986 613 600

Denoxtronic

Denoxtronic 1.1
tool set
0 986 610 551

Denoxtronic 2.1
tool set
0 986 610 571

Denoxtronic 2.2
tool set
0 986 610 561

Conventional pumps

A pumps
Repair tools for Bosch in-line injection pumps: A (I)
0 986 614 150

P pumps
Repair tools for Bosch in-line injection pump without controller (I)
0 986 614 240

P pumps
Repair tools for Bosch in-line injection pump without controller (II)
0 986 614 250

P pumps
Repair tools for Bosch in-line injection pump without controller (II)
0 986 614 260

P pumps
Repair tools for Bosch in-line injection pump without controller (IV)
0 986 614 270

H-/R-/P-/M pumps
Tool kit for testing and setting RE interlockings
0 986 614 400

H-/R-/P pumps
Repair tools on tool board H/R of a Bosch In-line injection pump without controller
0 986 614 415

VE pumps
Tool kit for repair (I)
0 986 614 220

VE pumps
Tool kit for repair (II)
0 986 614 230

VP 29/30/44
Tool kit for the repair of solenoid valve controlled VP
0 986 614 040

Designation	Order number
Mounting devices	
Bosch work bench	0 986 613 300
Trestle	0 986 611 248
Clamp holder for flange mounting	0 986 611 358
Mounting device for nozzle and clamping nut exchange UI and basic mounting device for CRI/CRIN (accessory set 0 986 613 500 required)	0 986 613 400
Mounting device for roller tappets	0 986 611 993
Accessory kit for basic mounting device for CRI/CRIN required	0 986 613 500
Force measuring device for shaft seals, bushings,...	0 986 612 878
Force transducer for compressive forces	0 986 612 997
Tools and special accessories	
Retrofit kit CRIN level 3 for CRI repair kit (0 986 610 700 or 0 986 610 703) to perform CRIN repair	0 986 610 705
CRIN Starter-Kit, Level 3, package for beginners including case for storing tools and washers	0 986 610 710
Retrofit kit CRI level 3 for CRIN repair kit (0 986 610 710) to perform CRI repair	0 986 610 715
CRI repair tools level 3 for upgrading CRI/CRIN tools (level 1 – 0 986 610 130 and level 2 – 0 986 612 930)	0 986 610 750
CRIN repair tools level 3 for upgrade of CRI/CRIN tools (level 1 – 0 986 610 130 and level 2 – 0 986 612 930)	0 986 610 760
CRIN repair tools level 3 for upgrade of CRI/CRIN tools (level 1 – 0 986 610 130 and level 2 – 0 986 612 930)	0 986 610 725
CRI repair tools level 3 upgrade kit for CRIN repair kits (level 1 – 0 986 610 130, level 2 – 0 986 612 930 and CRIN repair tools – 0 986 610 760)	0 986 610 735
Tool kit for complete disassembly and assembly of the injector when replacing the high pressure sealing ring of the injectors of US commercial vehicles	0 986 613 699
Plunger holder for roller plunger	0 986 611 298
Mounting sleeves for fitting the O-Rings on common rail injectors (CRIN) for MAN, Ford Otosan	0 986 612 930
Suction device for cleaning difficult to access surfaces	0 986 613 111
Mounting mandrel for mounting the O-Rings on the return of common rail injectors (Piezo)	0 986 614 030
Precision voltage stabilizer 30 V/15A	1 687 022 873
Snap ring tool	0 986 610 600
PEEK Ring extractor	0 986 613 461
PEEK Ring tool – diameter 8.1 mm	0 986 613 463
PEEK Ring tool – diameter 7.52 mm	0 986 613 464
M pumps tool kit for repair (II)	0 986 614 180
Assembly key for camshaft	0 986 612 071
Denoxtronic	
Special accessories (Scania) adapter module	0 986 610 173
Test adapter	0 986 610 174
Extension kit from Denoxtronic 1.1 to Denoxtronic 2.1	0 986 610 581
Extension kit from Denoxtronic 2.1 to Denoxtronic 2.2	0 986 610 541
Denoxtronic work bench	0 986 613 880

Driven by efficiency

Bosch technologies are used worldwide in almost all vehicles. People, and assuring their mobility, is what we are focused on.

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We continue to work on our unique combination of solutions for spare parts, diagnostic devices, workshop equipment and services:

- Solutions for efficient vehicle repairs
- Innovative workshop equipment and software
- The world's most comprehensive range of new and replacement parts
- Large network of wholesale customers, for quick and reliable parts supply
- Competent hotline support
- Comprehensive educational and training offers
- Targeted sales and marketing support

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What drives you
drives us

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