

Invented for life



BOSCH

Everything for the diesel service

Diagnosis, Testing and Repair Tools



04 Diesel service from Bosch

Bosch offers a comprehensive range of professional diagnostics and repair solutions for modern and conventional diesel systems.

06 Diagnosis on the vehicle

Bosch has a wide range of tools for easy and quick diagnosis of diesel components.



08 Repair tools on the vehicle

In addition to expert service, Bosch offers high-quality tools for a more efficient component repair on the vehicle.

10 Test equipment for components

Bosch boasts a comprehensive range of modern and user-friendly technologies for professional testing of removed diesel components.

Common-rail		Conventional systems	
12	DCI 700 Common-rail injector test bench	23	EPS 625
		26	EPS 100
16	DCI 200 Single common-rail injector test bench	Accessories	
		28	EPS 815
20	EPS 708 Common-rail pump test bench		

30 Repair tools for components

In addition to expert service, Bosch offers high-quality tools for a professional repair of individual components.

Diesel service from Bosch: **precise, professional and fast**

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 are developed for the vehicle and beyond. With the expertise from original equipment, innovative test equipment including the corresponding software is developed in parallel.

Bosch supports workshops holistically – from straight-forward troubleshooting and efficient component testing to the repair of diesel components and systems based on their current value.

Efficient and flexible component testing and repair

Thanks to Bosch testing solutions and numerous retrofit sets, component testing and repair can be carried out according to manufacturer specifications. This ensures that



**accurate and reproducible
measured values**
are determined



a **warranty assessment**
is possible **according to the
manufacturer's specifications**



a contribution is made
**to compliance with
emission standards**



Configurator

Check and repair diesel components



Configure your test bench according to your requirements
or get an overview of our diagnostics and repair tools.
bit.ly/AA_Configurator

Diagnosis on the vehicle

Diesel sets



Diesel set 1

For low-pressure circuit testing
 0 986 613 100



Diesel set 2

For low-pressure system venting
 0 986 610 234

Measuring equipment and accessories



Backflow meter

For determining the fuel return flow rate on CR injectors
 0 986 612 950



Connection adapter set For Bosch CRI2-18, 2-20 90° angle

 0 986 613 696



Connection adapter set For Bosch CRI2-18, -20 Straight

 0 986 613 926

Denoxtronic



Denoxtronic 2 test set

For checking metering and delivery rate with Denoxtronic 2.x
 0 986 610 450



Denoxtronic PC/LD test set For exhaust gas aftertreatment with Denoxtronic 3.1 and Denoxtronic 5.x

 0 986 613 900



Upgrade kit from Denoxtronic 3.1 to 5.x upgrade set for Denoxtronic case (0 986 610 500)

 0 986 610 930

Substitute load boxes



CRI substitute load box

For testing the control signal at solenoid valve CR injectors (passenger cars only)
 0 986 612 745



HFM-7 test cable

Hot film air flow meter 4-pin
 1 684 463 835



PSG-5 test box

For testing the PSG5 input as well as CAN-L and CAN-H signals
 0 986 612 447

Other accessories

Diesel sets	Description	Order number
Pressure gauge	Special gel-damped pressure gauge for measuring the pressure of the supply pump during operation at the vehicle, recommended for UI systems	1 687 231 906
Extension set of diesel set 3 and diesel set 3.1	Extension of existing diesel set 3 or diesel set 3.1 for checking the RDS function (operating range) while the engine is running	0 986 613 925
Upgrade set from diesel set 3 to diesel set 3.1	Upgrade for existing diesel set 3 to 3.1 to enable testing engines with CP4.1 and CP4.2	0 986 614 310
Substitute load boxes	Description	Order number
CRI/CRIN substitute load box	Test device for the control signal at piezo common-rail injectors (passenger cars only): a substitute load is used rather than an installed injector to test the control signal	0 986 612 793
CRI piezo substitute load box	Test device for the control signal at piezo common-rail injectors (passenger cars only): a substitute load is used rather than an installed injector to test the control signal	0 986 610 099

Measuring equipment and accessories	Description	Order number
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 for Delphi CR injectors	Hydraulic return connection at Delphi injectors for testing the return flow rate with return flow rate measuring device 0 986 612 950 (1 set = 6 units)	0 986 613 902
Connection adapter set for Siemens, VDO CR injectors	Hydraulic return connection at Siemens, VDO injectors for testing the return flow rate with return flow rate measuring device 0 986 612 950 (1 set = 6 units)	0 986 613 906
Connection adapter set for Bosch piezo CR injectors	Hydraulic return connection with return holding valve at Bosch piezo injectors for testing the return flow rate with return flow measuring device 0 986 612 950 (1 set = 6 units)	0 986 613 922
Connection adapter set for Denso CR injectors	Hydraulic return connection at Denso injectors for testing the return flow rate with return flow rate measuring device 0 986 612 950 (1 set = 6 units)	0 986 613 923
Connection adapter for Delphi CR injectors 45° angle	Hydraulic return connection at 45° angle at Delphi injectors for testing the return flow rate with 0 986 612 950 (1 adapter = 1 unit)	0 986 610 976
Connection adapter for Delphi CR injectors 90° angle	Hydraulic return connection at 90° angle at Delphi injectors for testing the return flow rate with 0 986 612 950 (1 adapter = 1 unit)	0 986 610 979
Connection adapter for Siemens, VDO CR injectors	Hydraulic return connection on Siemens, VDO injectors for testing the return flow rate with return flow rate measuring device 0 986 612 950 (1 adapter = 1 unit)	0 986 610 908
Test cable	Description	Order number
HFM5	Test cable with 5V voltage stabiliser chip for testing the HFM5 (hot film air flow meter) in the dismantled state	0 986 610 129
HFM6	Test cable for testing the HFM6 (hot film air flow meter, 4-pin) at the vehicle	0 986 610 067
HFM6	Test cable for testing the HFM6 (hot film air flow meter, 4-pin) at the vehicle	0 986 610 195
HFM6	Test cable for testing the HFM6 (hot film air flow meter, 5-pin) at the vehicle	0 986 610 196
HFM6	Test cable for testing the HFM6 (hot film air flow meter, 5-pin) at the vehicle	0 986 610 441
HFM6	Test cable for testing the HFM6 (hot film air flow meter, 5-pin) at the vehicle	0 986 610 651
HFM7	Test cable for testing the HFM7 (hot film air flow meter, 4-pin) in Fiat Group, Ford and Suzuki vehicles	1 684 463 738
HFM7	Test cable for testing the HFM7 (hot film air flow meter, 8-pin) in GM Group vehicles	1 684 463 836
Denoxtronic	Description	Order number
Denoxtronic 2.2	A special metering module must be used to be able to assess the delivery capacity of the Denoxtronic 2.2 delivery module	0 986 610 522
Other accessories	Description	Order number
Measuring sensor KDEP 1880	M10x1 measuring sensor, 48 mm long, for precise pump/motor allocation. Enables the pre-stroke or K1-FB measuring point at distributor pumps (VE.E, VE.F)	0 986 612 480

Repair tools on the vehicle

Cleaning tools



Suction device

For cleaning the sealing surface

0 986 613 111

Mounting sleeves



O-ring mounting sleeve

For mounting the common-rail injector/CRIN-O-ring

0 986 612 930

Measuring devices



Start of delivery dial gauge

For setting the start of delivery

1 687 233 012

Extraction and removal tools



Impact tool

Impact tool for CR injectors

0 986 612 727



Puller

In conjunction with 0 986 612 885 or 0 986 612 782 or 0 986 612 728 or 0 986 612 872

0 986 611 499



CRI injector lifter

CR/CRIN injector removal tool in Iveco Turbo Daily

0 986 612 374



CRI universal removal tool

CR injector removal tool in conjunction with 0 986 612 727 or 0 986 611 499

0 986 612 782



CRI extractor claw

CR injector removal tool in conjunction with 0 986 612 727 or 0 986 611 499 in Mercedes-Benz and PSA Group vehicles

0 986 612 872



CRI piezo extractor

CR injector removal tool for Bosch Piezo CRI and unit pumps in conjunction with 0 986 611 499 or 0 986 612 727

0 986 612 885

Diesel sets



Diesel set 2

For CR system venting

0 986 610 234

Other accessories



Workbench

Specifically for the repair of diesel products

0 986 613 300



Denoxtronic 3.1 tool set

for removing the heating chamber from the tank

0 986 610 680



Workshop tip

Testing technology and service kits

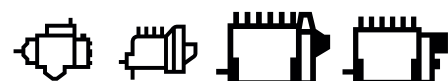
Diagnosis is carried out with a KTS device and Denoxtronic tool set (see Fig.): this determines which modules are faulty and need to be replaced.



Cleaning tools	Description	Order number
7.2 mm sealing cone	Sealing cone with a diameter of 7.2 mm. Used to close the nozzle/injector bore when cleaning the surface/face (6 sealing cones and 1 retaining rod)	0 986 612 917
9.2 mm sealing cone	Sealing cone with a diameter of 9.2 mm. Used to close the nozzle/injector bore when cleaning the surface/face (6 sealing cones and 1 retaining rod)	0 986 612 909
CRI/CRIN cleaning brush	This special wire brush must be used for cleaning the CR injector installation hole. It is also suitable for UI as well as for nozzles. Sealing cones 0 986 612 917 or 0 986 612 909 must be used to close the nozzle opening	0 986 612 729
Puller and extractor tools	Description	Order number
CRI turning device	For CR injectors with HP connection on the side: the injector is loosened by twisting it slightly to make it easier to remove	0 986 611 481
Support wench	Retaining tool for disassembly/assembly of the drive coupling on the CP2 pump	0 986 612 857
Puller	Removal tool for disassembly of the drive coupling on the CP2 pump	0 986 612 859
Puller	UI extractor from VW Group 1.9l with UIS/PDE diesel engines	0 986 612 750
Mounting sleeves	Description	Order number
O-ring mounting sleeve	Tool for mounting the CR pressure control valve O-ring without damaging the DRV	0 986 612 787
O-ring mounting sleeve set	Mounting sleeves for mounting the O-rings on unit injectors (passenger cars) of 1st generation VW Group vehicles (1 set = 3 units)	0 986 613 824
O-ring mounting sleeve set	Mounting sleeves for mounting the O-rings on unit injectors (passenger cars) of 2nd generation VW Group vehicles (1 set = 2 units)	0 986 611 490
O-ring mounting mandrel	Tool for damage-free assembly of the return O-ring at the CR piezo injector	0 986 614 030
Measuring devices	Description	Order number
Start of delivery measuring device	Measuring device for FB adjustment with VP44 (BMW and MAN), included in VPM 844 1 687 00x 844, but not included in 0 986 614 130	1 688 130 237
Delta-phi measuring device	Measuring device for delta-phi with VP29/30 (Opel, Ford), included in VPM 1 687 001 844, but not included in 0 986 614 131	1 688 130 239
Delta-phi measuring device	M10x1 measuring sensor, 48 mm long, for precise pump/engine allocation to enable the pre-stroke or K1-FB measuring point at distributor pumps (VE.E, VE.F)	0 986 612 480

Test equipment for components

Common-rail systems



Conventional pumps

—



Common-rail pumps

—



Common-rail injectors CRI1, CRI1-16, CRI1-18, CRI1-20, CRI14 S2, CRI14 S3, CRI2, CRI2-18, 2-20, 2-22, 2-25 MV injectors

●



Common-rail injectors CRI3-16, 3-18, 3-20, 3-22, 3-25, 3-27 piezo injectors

●



CRIN1, CRIN2-16, 3-18, 3-20, 3-22, 3-25, CRIN14 S3, CRIN18 C, CRIN20 C, CRIN20 L injectors

●



CRIN4.2 injectors, CRIN4-21, 4-25, 4-27 injectors

●



Nozzle holder (conventional and UP)

—



UI nozzles (with adapter)

—

DCI 700

CR injector test bench

Conventional systems



DCI 200 Single injector test bench	EPS 708 CR pump test bench	EPS 625* Conventional test bench	EPS 100 Injection nozzle testing device
—	—	●	—
—	●	—	—
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* While stocks last

Common-rail 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

Current emission standards as well as future directives make the accurate testing of common-rail injectors in modern diesel engines increasingly more important. The DCI 700 test bench has advantages for the workshop. Companies benefit equally from the short assembly and testing times as well as its user-friendly operation.

Benefits

- Time saving and high throughput thanks to clamping and unclamping of 4 standard injectors in only 5 minutes and an average test time of 15 minutes
- Testing of all diesel injectors for passenger cars and commercial vehicles - Bosch and third-party manufacturers
- VCC and NCC technologies testable according to manufacturer specifications
- High coverage rate of more than 95% of CRI and CRIN injectors
- First-class quality, reliability and transparency thanks to fast and precise testing including IMA/NIMA coding
- High effectiveness thanks to ergonomic workflows and intuitive operating concept
- Software updates and test schedules can be downloaded quickly and conveniently online
- Low maintenance costs because there is no longer a need for sensitive high-pressure hoses

Accessories

DCI 700



CRIN Bosch

For testing CR commercial vehicle injectors made by Bosch

📄 1 687 010 607



CRIN Bosch 4.2

For testing CRIN 4.2 commercial vehicle injectors made by Bosch

📄 1 687 010 608



CRI/CRIN 3rd party

For testing CR injectors made by third-party manufacturers

📄 1 687 010 609

CRI Bosch*

For testing CR injectors made by Bosch

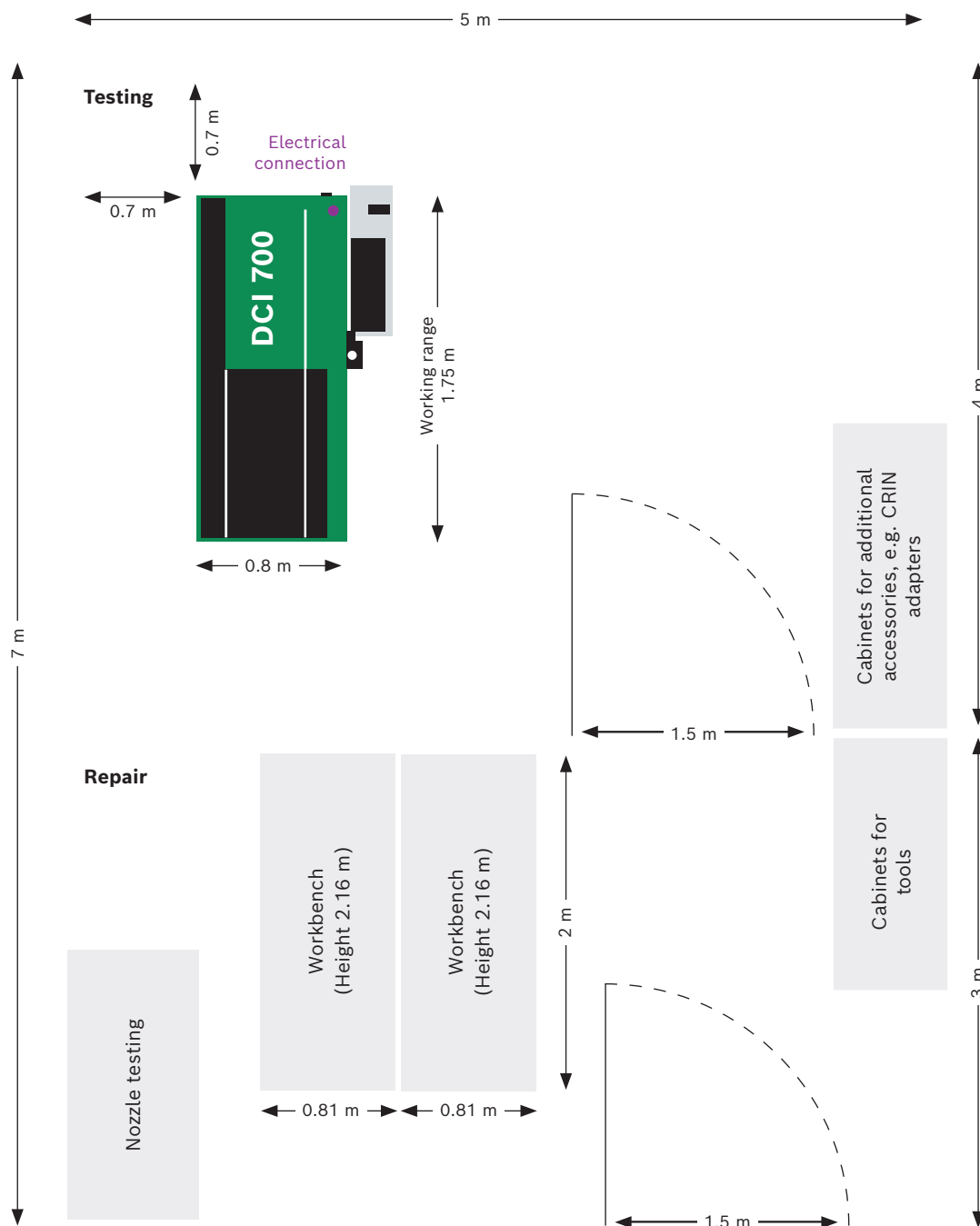
📄 included in the scope of delivery

* For associated CRIN adapters, see optional accessories on page 15



Facility concept

DCI 700



Ideal workbench for diesel service (0 986 613 300)

The workplace for repairing diesel injectors and components must meet very high standards of cleanliness, functionality and straight-forward design. Otherwise, even the smallest dirt particles in diesel systems can lead to malfunctions.

Recommended facility properties:

- Sealed concrete floor
- Sufficient ventilation by means of an exhaust air system to remove vapours
- Sound insulation is recommended

Accessories

DCI 700

Adapter	Description	Order number
Adapter set – A1i	CRIN-Bosch for Cummins, Dongfeng, VW, Ford, DCEC	1 687 016 072
Adapter set – A2i	CRIN-Bosch for Valtra Tractors, Sisu Motors, AGCO, Alis, Deutz, AP Inc	1 687 016 081
Adapter set – A3i	CRIN-Bosch for FPT, Iveco, CASE New Holland, Cummins, Dongfeng, VW/Ford, TATA Motors, GCIC, CNHI, DCEC, DDC, Quanchai, YTO, Yunnei	1 687 016 111
Adapter set – A4i	CRIN-Bosch for Renault, Dongfeng	1 687 016 082
Adapter set – A5i	CRIN-Bosch for MAN, Liebherr, KOEL	1 687 016 099
Adapter set – A6i	CRIN-Bosch for MAN, CNHTC	1 687 016 083
Adapter set – A7i	CRIN-Bosch for Ford Otosan, JMC	1 687 016 084
Adapter set – A8i	CRIN-Bosch for DHIM, Doosan, Yuchai	1 687 016 085
Adapter set – A9i	CRIN-Bosch for Deutz	1 687 016 086
Adapter set – A10i	CRIN-Bosch for FAW, Yuchai	1 687 016 087
Adapter set – A11i	CRIN-Bosch for Dongfeng, DCD	1 687 016 088
Adapter set – A12i	CRIN-Bosch for Ashok Leyland	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, Renault, International Harvester, MWM, Navistar, MTU, Ford Otosan, Volvo, Agrale, AGCO, MHEPL, JND, SANY, Neoplan, Mahindra, JMC	1 687 016 091
Adapter set – A15i	CRIN-Bosch for MAN, Shanqi, Foton, CNHTC, Weichai	1 687 016 092
Adapter set – A16i	CRIN-Bosch for DHIM, Yuchai, CAMC	1 687 016 093
Adapter set – A17i	CRIN-Bosch for MAN, Navistar	1 687 016 195
Adapter set – A18i	CRIN-Bosch for FAW	1 687 016 206
Adapter set – A19i	CRIN-Bosch for Scania	1 687 016 211
Adapter set – A20i	CRIN-Bosch for Caterpillar	1 687 016 227
Adapter set – A21i	CRIN-Bosch for VECV – Ltd.	1 687 016 232
Adapter set – A22i	CRIN-Bosch for John Deere	1 687 016 236
Adapter set – A23i	CRIN-Bosch for AGCO	In preparation
Adapter set – A1e	CRIN-Bosch for Deutz, FAW-Dalian, Volvo	1 687 016 094
Adapter set – A2e	CRIN-Bosch for Hino	1 687 016 095
Adapter set – A3e	CRIN-Bosch for CASE New Holland, FPT	1 687 016 096
Adapter set – A4e	CRIN-Bosch for Mitsubishi, Fuso	1 687 016 097
Adapter set – A6e	CRIN-Bosch for Mahindra	1 687 016 147
Adapter set – A7e	CRIN-Bosch for FPT, Iveco, CASE New Holland	1 687 016 148
Adapter set – A8e	CRIN-Bosch for Hino	1 687 016 149
Adapter set – A9e	CRIN-Bosch for MTU	1 687 016 150
Adapter set – A10e	CRIN-Bosch for Caterpillar/Perkins, Deutz, Yuchai, SFH PT, BFCEC, CNHTC, Yunnei, Weichai	1 687 016 151
Adapter set – A11e	CRIN-Bosch for FAW Mahindra	1 687 016 209

Single common-rail injector test bench

DCI 200



DCI 200 200 V, 1 PH, 50/60 Hz 0 683 225 001 (Fig. with accessories)

Precision and speed

Current emission standards as well as future directives make the accurate testing of common-rail injectors in modern diesel engines increasingly more important. The DCI 200 single injector test bench has advantages for the workshop. Companies benefit equally from the short assembly and testing times as well as its user-friendly operation.

Benefits

- Time saving and high throughput thanks to clamping and unclamping of a standard injector in only 1 minute and an average test time of 15 minutes
- Testing of all diesel injectors for passenger cars and commercial vehicles - Bosch and third-party manufacturers
- VCC and NCC technologies testable according to manufacturer specifications
- High coverage rate of more than 95% of Bosch CRI and CRIN injectors right from the start
- First-class quality, reliability and transparency thanks to fast and precise testing including IMA/NIMA coding
- High effectiveness thanks to ergonomic workflows and intuitive operating concept
- Software updates and test schedules can be downloaded quickly and conveniently online
- Low maintenance costs because there is no longer a need for sensitive high-pressure hoses

Accessories

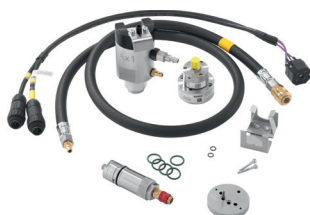
DCI 200



CRIN Bosch

For testing CR commercial vehicle injectors made by Bosch

📄 1 687 010 207



CRIN Bosch 4.2

For testing CRIN 4.2 commercial vehicle injectors made by Bosch

📄 1 687 010 209



CRI/CRIN 3rd party

For testing CR injectors made by third-party manufacturers

📄 1 687 010 208

CRI Bosch*

For testing CR injectors made by Bosch

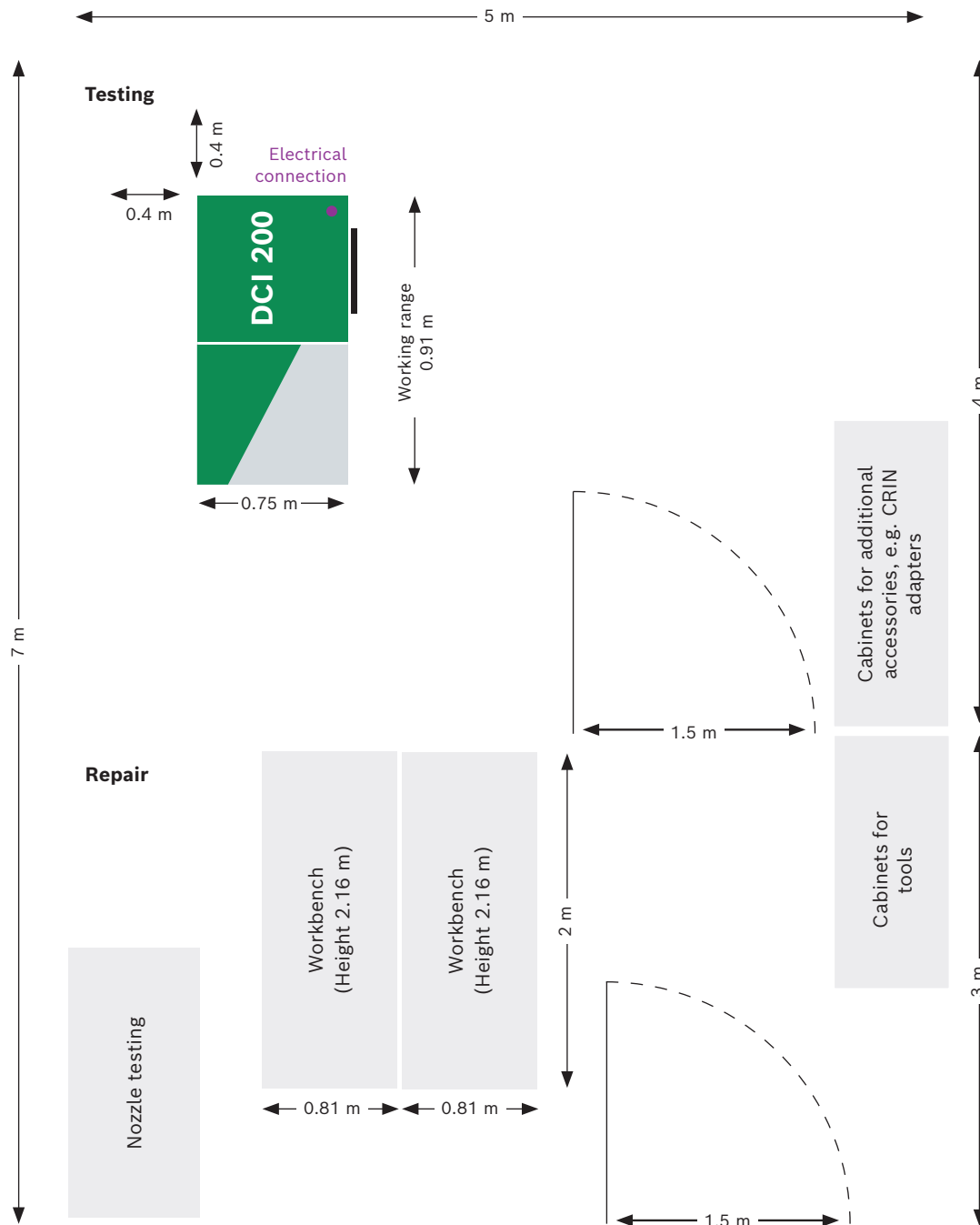
📄 included in the scope of delivery

* For associated CRIN adapters, see optional accessories on page 19



Facility concept

DCI 200



Ideal workbench for diesel service (0 986 613 300)

The workplace for repairing diesel injectors and components must meet very high standards of cleanliness, functionality and straight-forward design. Otherwise, even the smallest dirt particles in diesel systems can lead to malfunctions.

Recommended facility properties:

- Sealed concrete floor
- Sufficient ventilation by means of an exhaust air system to remove vapours
- Sound insulation is recommended

Accessories

DCI 200

Adapter	Description	Order number
Adapter A1i	CRIN-Bosch for Cummins, Dongfeng, VW, Ford, DCEC	1 685 720 297
Adapter A2i	CRIN-Bosch for Valtra Tractors, Sisu Motors, AGCO, Alis, Deutz, AP Inc	1 685 720 314
Adapter A3i	CRIN-Bosch for FPT, Iveco, CASE New Holland, Cummins, Dongfeng, VW/Ford, TATA Motors, GCIC, CNHI, DCEC, DDC, Quanchai, YTO, Yunnei	1 685 720 296
Adapter A4i	CRIN-Bosch for Renault, Dongfeng	1 685 720 316
Adapter A5i	CRIN-Bosch for MAN, Liebherr, KOEL	1 685 720 300
Adapter A6i	CRIN-Bosch for MAN, CNHTC	1 685 720 318
Adapter A7i	CRIN-Bosch for Ford Otosan, JMC	1 685 720 320
Adapter A8i	CRIN-Bosch for DHIM, Doosan, Yuchai	1 685 720 332
Adapter A9i	CRIN-Bosch for Deutz	1 685 720 324
Adapter A10i	CRIN-Bosch for FAW, Yuchai	1 685 720 326
Adapter A11i	CRIN-Bosch for Dongfeng, DCD	1 685 720 328
Adapter A12i	CRIN-Bosch for Ashok Leyland	1 685 720 330
Adapter A13i	CRIN-Bosch for Renault, Fendt, Deutz, FAW, Yuchai, Foton, Weichai, Volvo, CAMC, SDEC, TAFE	1 685 720 332
Adapter A14i	CRIN-Bosch for MAN, Liebherr, Renault, International Harvester, MWM, Navistar, MTU, Ford Otosan, Volvo, Agrale, AGCO, MHEPL, JND, SANY, Neoplan, Mahindra, JMC	1 685 720 334
Adapter A15i	CRIN-Bosch for MAN, Shanqi, Foton, CNHTC, Weichai	1 685 720 336
Adapter A16i	CRIN-Bosch for DHIM, Yuchai, CAMC	1 685 720 338
Adapter A17i	CRIN-Bosch for MAN, Navistar	1 685 720 371
Adapter A18i	CRIN-Bosch for FAW	1 685 720 373
Adapter A19i	CRIN-Bosch for Scania	1 685 720 377
Adapter A20i	CRIN-Bosch for Caterpillar	1 685 720 392
Adapter A21i	CRIN-Bosch for VECV – Ltd.	1 685 720 395
Adapter A22i	CRIN-Bosch for John Deere	1 685 720 415
Adapter A23i	CRIN-Bosch for AGCO	In preparation
Adapter A1e	CRIN-Bosch for Deutz, FAW-Dalian, Volvo	1 685 720 340
Adapter A2e	CRIN-Bosch for Hino	1 685 720 342
Adapter A3e	CRIN-Bosch for CASE New Holland, FPT	1 685 720 344
Adapter A4e	CRIN-Bosch for Mitsubishi Fuso	1 685 720 346
Adapter A6e	CRIN-Bosch for Mahindra	1 685 720 358
Adapter A7e	CRIN-Bosch for FPT, Iveco, CASE New Holland	1 685 720 360
Adapter A8e	CRIN-Bosch for Hino	1 685 720 362
Adapter A10e	CRIN-Bosch for Caterpillar/Perkins, Deutz, Yuchai, SFH PT, BFCEC, CNHTC, Yunnei, Weichai	1 685 720 366
Adapter A11e	CRIN-Bosch for FAW Mahindra	1 685 720 375

Common-rail pump 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

The EPS 708 diesel test bench made by Bosch specifically for common-rail injection pumps allows testing up to 2 200 bar.

Benefits

- Measure electronic flow for efficient common-rail component testing
- Electronic inlet pressure control for pump and lubricating oil supply
- Simple pump assembly without coupling cover
- Integrated cooling system reduces water consumption in the workshop (water cooling optionally available)
- Electronic monitoring and display of service intervals (e.g. test oil change)
- Self-diagnosis system indicates necessary filter change

Accessories

EPS 708



CP1/CP1H/CP3 pump set
For testing CP1/CP3 pumps
📄 1 687 010 346



CP4 pump set
For testing CP4 pumps
📄 1 687 010 390



CB18 pump set
For testing CB18 pumps
📄 1 687 010 402



**CP external pump set
(Delphi, Denso)**
For testing CR pumps made by other
manufacturers
📄 1 687 010 183



VDO pump set
For testing CR pumps
(Continental)
📄 1 687 010 193



Did you know?

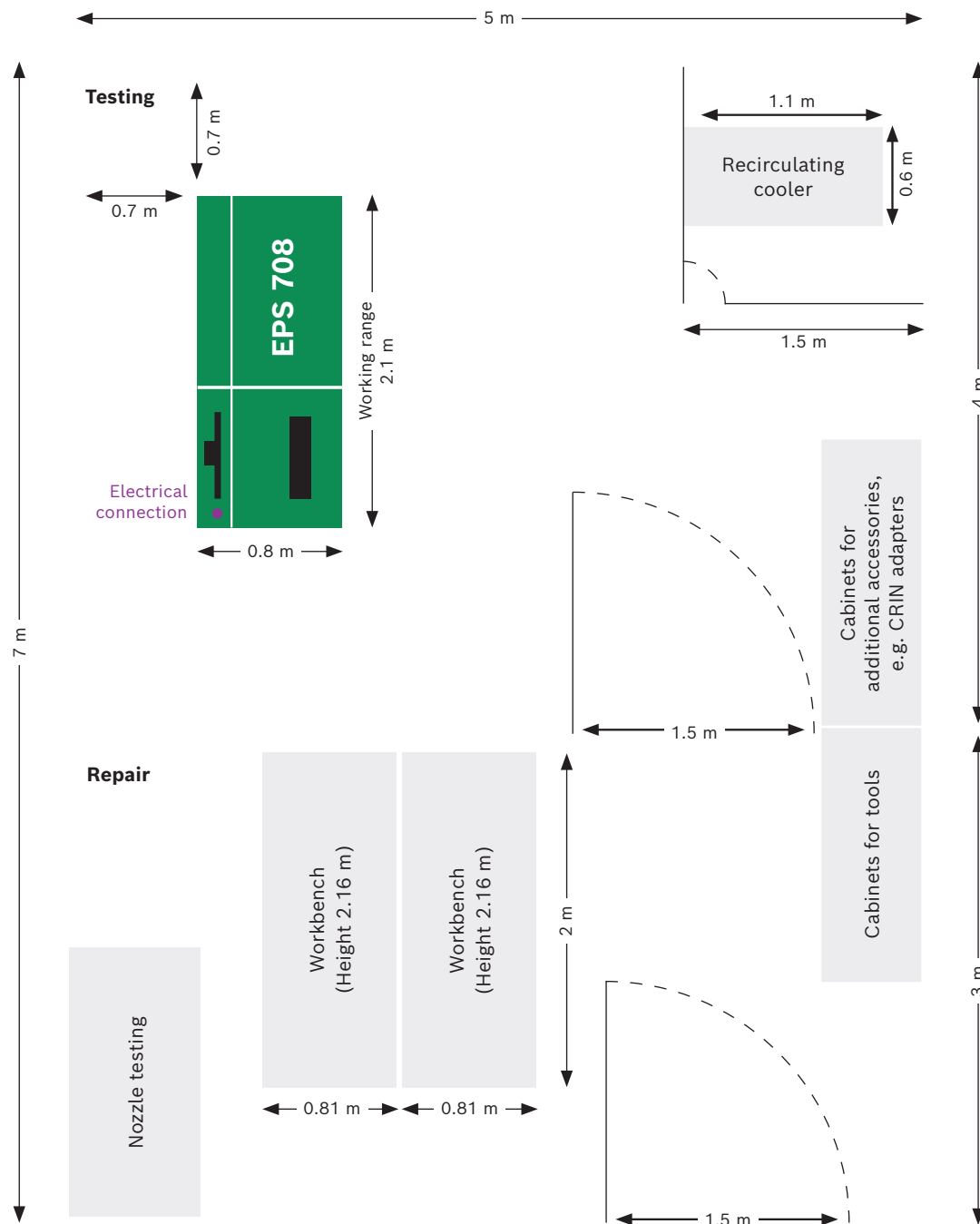
220 million

common-rail pumps have been
produced by Bosch since 1997



Facility concept

EPS 708



Ideal workbench for diesel service (0 986 613 300)

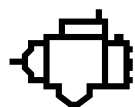
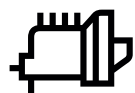
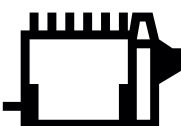
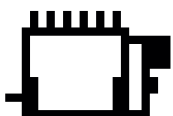
The workplace for repairing diesel common-rail pumps must meet very high standards of cleanliness, functionality and straight-forward design. Otherwise, even the smallest dirt particles in diesel systems can lead to malfunctions.

Recommended facility properties:

- Sealed concrete floor
- Sufficient ventilation by means of an exhaust air system to remove vapours
- Sound insulation is recommended
- A water connection with inlet and outlet or recirculating cooler

Conventional test bench

EPS 625



EPS 625 no longer available.

Accessories still available while stocks last.



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

Injection pump test bench

The EPS 625 component test bench can be used to test powerful conventional in-line and distributor injection pumps from both Bosch and other manufacturers. The specifications of the engine and vehicle manufacturers are adhered to. The robust and easy-to-use technology makes the EPS 625 a cost-effective and long-lasting investment for the workshop.

Benefits

- Maintenance-free drive with high efficiency
- Long service life of the high-pressure lines, as the measuring device can be adjusted in three levels
- Excellent concentricity and speed stability ensure high repeat accuracy
- Large flywheel mass
- Speed control with extremely short speed control time
- Integrated boost pressure control unit
- Automatic test oil heating, adjustable via supply or return flow
- Easy operation thanks to high-resolution 5.7" LCD display for displaying set/actual values, drive speed, set and actual stroke, test oil tank temperature, supply and return temperature

Accessories

EPS 625



Basic set

For H/R/A/M/MW/P/VE-pumps

1 687 005 018



A pump set¹

For testing and adjusting A-pumps made by Bosch

1 687 005 019



Mand MW pump set¹

For testing and adjusting PES M and PE(S) MW pumps made by Bosch

1 687 005 020



P pump set¹

For testing and adjusting P-pumps made by Bosch

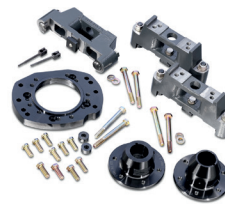
1 687 005 021



VE pump set

For testing and adjusting VE-pumps made by Bosch

1 687 005 022



H/R pump set¹

For testing and adjusting H-pumps and R-pumps with Electronic Diesel Control (EDC)

1 687 005 023

¹ Additionally requires specific accessories that are not included in the basic set.



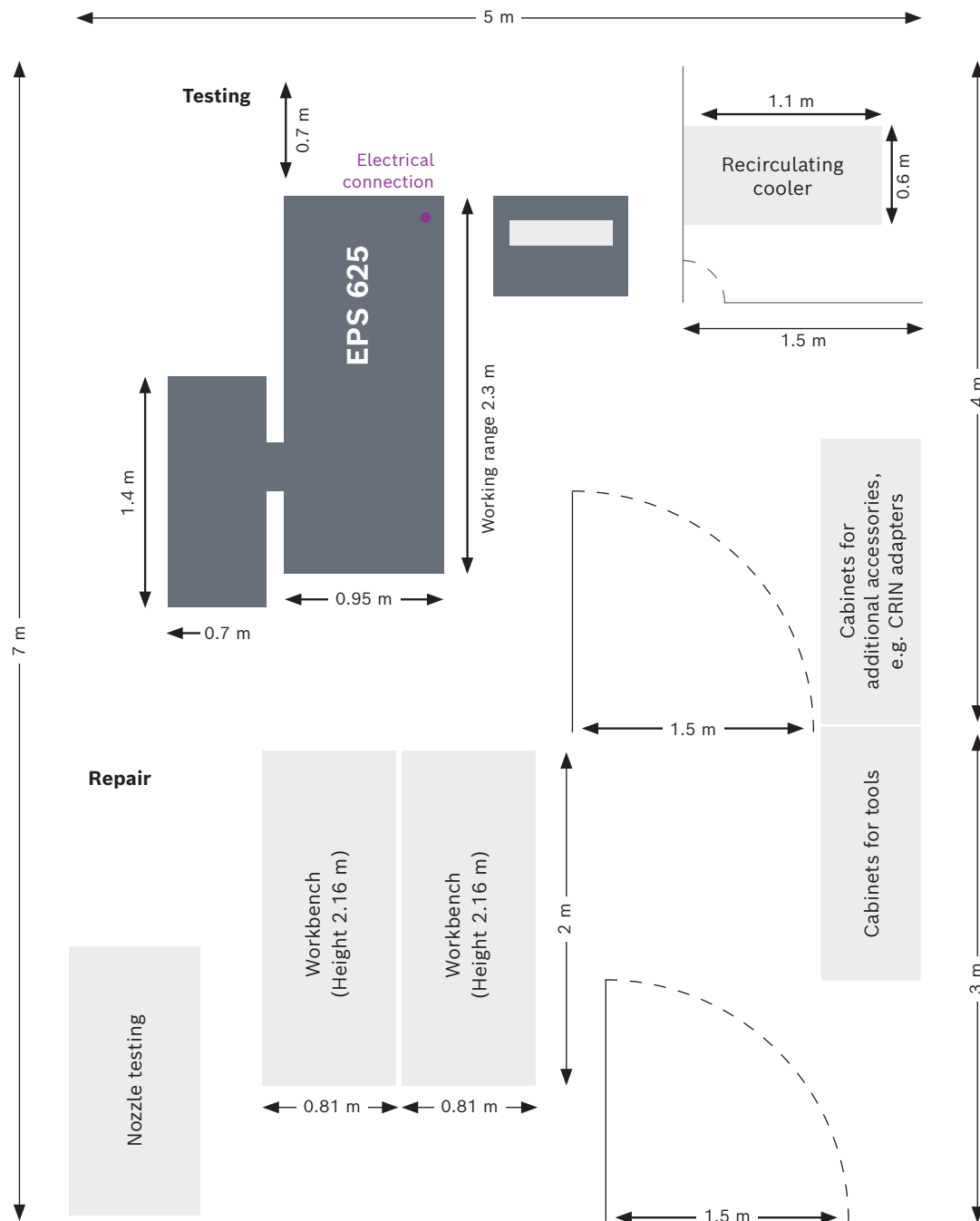
Did you know?

60 million in-line injection pumps and

75 million distributor injection pumps have been produced by Bosch since 1997

Facility concept

EPS 625



Ideal workbench for diesel service (0 986 613 300)

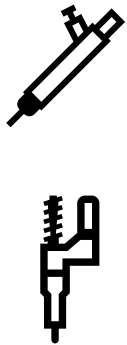
The workplace for repairing conventional injection pumps must meet very high standards of cleanliness, functionality and straight-forward design. Otherwise, even the smallest dirt particles in diesel systems can lead to malfunctions.

Recommended facility properties:

- Sealed concrete floor with damping at the test bench base
- Sufficient ventilation by means of an exhaust air system to remove vapours
- Sound insulation is recommended
- A water connection with inlet and outlet or recirculating cooler

Injection nozzle testing device

EPS 100



EPS 100  0 684 200 704

For efficient and flexible work

The EPS 100 facilitates the reading of the opening pressure of injection nozzles.

Benefits

- Testing and adjusting the opening pressure of injection nozzles
- Assessment of the emerging jet with regard to shape and atomisation (spray pattern)
- Checking the tightness of the nozzles and the snaring properties for 2-spring nozzle holder, step holder and UI/UP applications
- Reduced total error (+/- 2.4 bar) due to high reading (1 bar) and pressure gauge accuracy
- Engine idle shaking can be avoided through the most precise analysis of the smallest leaks
- Direct extraction of oil mist when testing injection nozzles (only possible in conjunction with EPS 738)

Accessories

EPS 100

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



Did you know?

950 million nozzle holder combinations have been produced by Bosch since 1997

Accessories

EPS 815



Basic set

For H/R/A/M/MW/P/VE-pumps

1 687 005 018



A pump set¹

For testing and adjusting A-pumps made by Bosch

1 687 005 019



M and MW pump set¹

For testing and adjusting PES M and PE(S) MW pumps made by Bosch

1 687 005 020



P pump set¹

For testing and adjusting P-pumps made by Bosch

1 687 005 021



VE pump set

For testing and adjusting VE-pumps made by Bosch

1 687 005 022



H/R pump set¹

For testing and adjusting H-pumps and R-pumps with Electronic Diesel Control (EDC)

1 687 005 023


CRS 845 basic set

For CR components (CP/CRI)

 1 687 002 845

CP1/CP1H pump set

For testing 1st generation CRH pumps

 1 687 010 341

CP2/CPN2 pump set

For testing commercial vehicle CR pumps

 1 687 010 342

CP3 pump set 1

For testing CP3 pumps

 1 687 010 182

CP4 pump set

For testing CP4 pumps

 1 687 010 490

CB18 pump set

For testing CB18 pumps

 1 687 010 402

CB28 pump set

For testing CB28 pumps

 1 687 010 496

CP external pump set²

For testing CR pumps made by other manufacturers

 1 687 010 183

VDO pump set³

For testing CR pumps (Continental)

 1 687 010 193

¹ Additionally requires specific accessories that are not included in the basic set.

² CP from Delphi/Denso/Siemens/Continental

³ Companies with Continental service contract

Repair tools for components

Common-rail pumps



CP3 tool panel (I)
Tool set for repairing CR
high-pressure pumps
0 986 610 360



CP3 tool panel (II)
Tool set for repairing CR
high-pressure pumps
0 986 610 370



CP4 tool panels
Tool set for repairs
0 986 610 740



CP1/CP1H
Tool set for repairing CR
high-pressure pumps
0 986 614 360



CB18 repair tools
Basic set for CB18 repair
0 986 614 081



CB28 basic tools
Basic set for CB28 repair
0 986 614 082



CB28 Additional tools if no
CB18 basic set is available
0 986 614 083

Common-rail injectors



CRI/CRIN stage 1 – Mounting
device for nozzle replacement
0 986 610 130



Snap ring clipper and
assembly tool
0 986 610 600



Stage 3 CRI tool set for
complete repair and adjust-
ment of CRI incl. the solenoid
valve assembly
0 986 610 700



CRI (case variant)
Stage 3 tool set for complete
repair and adjustment of CRI
incl. the solenoid valve
assembly
0 986 610 703



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



Mounting device for
common-rail injector
maintenance/repair
0 986 613 600



Stage 2 CRI tool set for
maintenance/repair of the CRI
solenoid valve assembly
0 986 613 650

Denoxtronic



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



VE-pumps
Tool set for repairs (I)
0 986 614 220



VE-pumps
Tool set for repairs (II)
0 986 614 230



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



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



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



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



H/R/P/M-pumps
Tool set for testing and adjusting
H-pumps, R-pumps, P-pumps
and M-pumps with Electronic
Diesel Control (EDC)
0 986 614 400



H/R/P-pumps
H/R/P-pumps repair tools
for repairing and testing on
H-pumps, R-pumps and P-pumps
0 986 614 415

Mounting devices	Order number
Bosch workbench	0 986 613 300
Clamping device	0 986 611 248
Clamp holder for flange mounting	0 986 611 358
Mounting device for nozzle and clamping nut replacement of UI and basic mounting device for CRI/CRIN (accessory set 0 986 613 500 required)	0 986 613 400
Mounting device for roller plunger	0 986 611 993
Accessory set for basic mounting device, necessary for CRI/CRIN	0 986 613 500
Force measuring device for shaft seals, bushings, etc.	0 986 612 878
Force transducer for compressive forces	0 986 612 997
Tools and special accessories	Order number
Stage 3 CRIN retrofit set for CRI repair set (0 986 610 700 or 0 986 610 703) to perform CRIN repairs	0 986 610 705
CRIN starter kit, stage 3, package for beginners including case for storing tools and washers	0 986 610 710
Stage 3 CRI retrofit set for CRIN repair set (0 986 610 710) to perform CRI repairs	0 986 610 715
Upgrade set for tools for repair of CP1/CP1H high-pressure pumps (0 986 614 360) manufactured before 2022	0 986 613 750
Stage 2 tool set for the maintenance/repair of the CRIN solenoid valve assembly (incl. PEEK rings of commercial vehicle injectors)	0 986 613 699
Plunger holder for roller plunger	0 986 611 298
Mounting sleeves for mounting the O-rings in common-rail injectors (CRIN) for MAN, Ford Otosan	0 986 612 930
Suction unit for cleaning hard-to-reach surfaces	0 986 613 111
Mounting mandrel for mounting the O-rings on the return of common-rail injectors (piezo)	0 986 614 030
30 V/15A precision voltage stabiliser	1 687 022 873
PEEK ring removal tool	0 986 613 461
PEEK ring tool for mounting (8.1 mm)	0 986 613 463
PEEK ring tool for mounting (7.52 mm)	0 986 613 464
Denoxtronic	Order number
Special accessories (Scania) adapter module	0 986 610 173
Test adapter	0 986 610 174
Extension set from Denoxtronic 2.1 to Denoxtronic 2.2	0 986 610 541
Denoxtronic workbench	0 986 613 880



What drives you, drives us

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

Therefore, we have dedicated over 130 years of pioneering spirit
and expertise in research and manufacturing to achieving this.

We provide the aftermarket and workshops worldwide with modern diagnostic and workshop
equipment and a wide range of spare parts for passenger cars and commercial vehicles:

- solutions for efficient vehicle repairs
- innovative workshop equipment and software
- one of the world's most comprehensive ranges of new and exchange 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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Subject to technical changes and programme modifications