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创新

服务



NANTAI



泰安市南泰试验设备有限公司

NANTAI AUTOMOTIVE TECHNOLOGY CO.,LTD.

Company Profile

NANTAI AUTOMOTIVE TECHNOLOGY CO., LTD. is a professional manufacturer of producing fuel injection system test bench. "Integrity, innovation, service", We have more than 28 years' experience in this industry.

We aim to create a one-stop solution for customers to purchase test bench, tools and spare parts.

Our products mainly include the high-pressure common rail system, HEUI & EUI/EUP system and other diesel electronic control system test bench. We also supply the traditional diesel fuel injection pump test bench, the automatic micro-hole extrusion grinding machine for precision processing oil pumps and nozzles, and the turbocharger overall full speed balancing machine, etc.

We have our own design and technical engineer team to provide technical service support for customers.

Our products have obtained CE certifications, have been sold to more than 200 countries and regions around the world.

Committed to reliable quality, innovative technology, and professional service, NANTAI provides efficient testing solutions for diesel repair workshops, fuel injection service centers, remanufacturers, and distributors worldwide.

NANTAI — Professional Diesel Testing Solutions for the Global Automotive Aftermarket.



DIESEL INJECTION PUMP TEST BENCH 喷油泵试验台



12PSB



12PSB (BLUE)



12PSB (BLUE+WHITE)



12PSB-MINI



12PSDW



12PSDW (BLUE)



12PSDW (RED)



12PSDW-A



12PSDW-MINI



12PSDW-MINI (BLUE)



BD850



BD860



NTS619



NTS619 (BLUE+WHITE)



NTS619 (WHITE)



NT3000

Technical characteristic	Adjustable cylinders	Output power(Kw)	RPM	Rpm pre-set	Temperature control system	Positive pressure system
	12 or 8	7.5/11/15/18.5/22	0-4000	√	√	√
	Negative pressure system	Air supply	DC power supply	internal pressure of VE pump	Oil return of VE pump	Capability with pump type
	√	√	√	√	√	All in- line/ rotary pump

Main Functions

1. Measurement of each cylinder delivery at any speed.
2. Test point and interval angle of oil supply of injection pump.
3. Checking and adjust the mechanical governor.
4. Checking and adjusting the distributor pump.
5. Experiment and adjusting of behavior of supercharging and compensatory device.
6. Measurement of oil return of distributing pump.
7. Testing of the electromagnetic valve of distributor pump.(12V/24V)
8. Measurement of the internal pressure of distributor pump.
9. Checking the sealing of injection pump body.
10. Install tube of auto-sucking oil supply can check on oil supply pump (including VE pump).

Optional Functions:

11. Checking of the advance angle of advance device. (Optional)
12. Checking the travel of stroke. (Optional)
13. Oil lubricate. (Optional)
14. Force cooling system. (Optional)



主要功能:

1. 喷油泵各缸供油量和供油均匀性
2. 喷油泵供油点及供油间隔角度
3. 调速器工作性能的检查和调整
4. 分配泵工作性能的试验调整
5. 增压补偿器性能的试验调整
6. 分配泵回油量的测量
7. 分配泵电磁阀性能的测试 (12V/24V)
8. 分配泵各种规定转速下的内压测定
9. 喷油泵密封性能试验
10. 接上自吸供油管可对输油泵进行检查(含 VE 泵)

选装功能:

11. 检查测量自动提前器的提前角度 (选装)
12. 尺杆行程的高精度检测 (选装)
13. 机油润滑 (选装)
14. 强制制冷 (选装)

Accessories:



COMMON RAIL INJECTOR TEST BENCH 共轨喷油器试验台



NTS100



NTS105



NTS118



NTS200



NTS200 (BLUE)



NTS205/NTS206



NTS205/NTS206 (BLUE)



NTS208 (BLUE)



NTS208 (WHITE)



NTS208MAX



NTS209



NTS206 PRO



NTS208 PRO



NTS709



NTS300



NTI1000



NTS318/CR318



NTS318/CR318 (BLUE)



NTS318-PRO/CR318-PRO



NTI800

COMMON RAIL INJECTORS TEST BENCH - 4PCS/6PCS INJECTOR TESTING AT SAME TIME



NTI900 (4pcs)



NTI700 (4pcs)



NTI700 (BLUE) (4pcs)



NTS319 (6pcs)

Common Rail Injector Test Bench Functions and Features:

1. Automatic detection of electromagnetic injectors, BOSCH, DELPHI, DENSO, SIEMENS, etc.
2. Automatic detection of all piezoelectric injectors.
3. Generate IMA code for BOSCH common rail injector.
4. Generate QR code of DENSO common rail injector.
5. Generate C2I and C3I codes for DELPHI common rail injector.
6. Generate SIEMENS common rail injector (VDO) IIC code.
7. Injector solenoid valve inductance, capacitance detection.
8. Detect the response time BIP of the injector.
9. Detect the dynamic stroke of the injector AHE.
10. Online remote assistance and system upgrade.

功能与特性:

1. 自动检测博世、德尔福、电装、西门子等电磁式喷油器。
2. 自动检测所有压电式喷油器。
3. 生成博世共轨喷油器 IMA 补偿码。
4. 生成电装共轨喷油器 QR 补偿码。
5. 生成德尔福共轨喷油器 C2I,C3I 码。
6. 生成西门子 VDO 共轨喷油器 IIC 码。
7. 检测喷油器电磁阀电感。
8. 检测喷油器响应时间 (BIP)。
9. 检测喷油器衔铁动态行程 (AHE)。
10. 可在线远程协助及系统升级。



DIESEL ELECTRONIC CONTROL FULL FUNCTIONS TEST BENCH 柴油电喷全功能试验台



NTS815A-PRO (DUAL SYSTEM, DUAL WORKSTATION)



NTS919-PRO (DUAL SYSTEM, DUAL WORKSTATION)



NTS815A



NTS815A (BLUE)



NTS815A (RED)



CR818-PRO



CR968



NTS826 (Weight Sensor-old software)

**12PCR****12PCR****CR-MINI**

Full function test bench, integrates testing functions such as high-pressure common rail system and mechanical pump testing function in the same test bench, all-in-one.

Can be widely measure Bosch, Denso, Delphi, Siemens and other common rail pump and injector, the software system is equipped with more than 7000 injector data and more than 1900 pump data, allowing users repair work more convenient.

Function details:

1. Automatically test common rail injectors and piezo injectors.
(One set flow sensor system, can test 1pc injector.)
2. Automatically test the inductance of solenoid valve.
3. Automatically test voltage-current curve of the injector.
4. QR coding for BOSCH DENSO DELPHI SIEMENS.
5. Automatically test mechanical pumps.
6. Automatically test common rail pumps.
7. Automatically test Denso HPO pumps.
8. Automatically test CAT 320D Pump.
9. BIP function for common rail injector.
10. Automatically test CAT C7/C9/C-9/3126B injectors.
11. Automatically test 3408 3412 ford6.0 injector.
12. Automatically test 3412E ISUZU injector.
13. Automatically test G2.9 3116 injector.
14. Automatically test EUJ/EUP, with EU103 cambox 20psc adapters.
15. Automatically test Cummins HPI injector (X15/Q60 injector).
16. Automatically test Cummins PT injector.
17. Automatically test Cummins PT pump.
18. Automatically test CAT HEUP actuating pump.
19. DRV valve, SCV valve, rail pressure sensor testing.
20. Automatically test VP37 pump.
21. Automatically test VP44 pump.
22. Automatically test RED4 Pump.
23. Automatically test DENSO V3/V4/V5 Pump.
24. One set flow sensor system, 6 injectors can be installed on the test bench together, and the 6 injectors are tested in turn.
25. 6 sets flow sensor systems, 6 injectors can be installed on the test bench together, and can be tested at same time.
26. Forced cooling system, or External oil cooler.

功能详情:

1. 自动检测共轨喷油器, 包括压电喷油器。
(一套喷油器流量传感器系统, 一次测试一支喷油器)
2. 自动测试喷油器电磁阀的电感。
3. 自动测试喷油器的电压-电流曲线。
4. 共轨喷油器 QR 码生成功能, 博世、电装、德尔福、西门子等。
5. 自动测试机械泵。
6. 自动测试共轨泵。
7. 自动测试电装 HPO 泵。
8. 自动测试 CAT 卡特彼勒 320D 泵。
9. 共轨喷油器 BIP 功能, 即喷油器响应时间。
10. 自动测试 CAT C7/C9/C-9/3126B 系列喷油器。
11. 自动测试 福特 6.0 以及 3408/3412 系列喷油器。
12. 自动测试 五十铃和 3412E 系列喷油器。
13. 自动测试 G2.9 和 3116 系列喷油器。
14. 自动测试泵喷嘴和单体泵, 带 EU103 全套 20 件套适配器的凸轮箱。
15. 自动测试康明斯 HPI 系列喷油器 (X15/Q60 喷油器)。
16. 自动测试康明斯 PT 喷油器。
17. 自动测试康明斯 PT 泵。
18. 自动测试 CAT HEUP 促动泵。
19. DRV 阀、SCV 阀、共轨压力传感器测试。
20. 自动测试 VP37 泵。
21. 自动测试 VP44 泵。
22. 自动测试 RED4 泵。
23. 自动测试 DENSO V3/V4/V5 泵。
24. 六只喷油器分时测试: 一套流量传感器系统, 可同时安装 6 个喷油器在试验台上, 并依次进行测试。
25. 六只喷油器同时测试: 六套流量传感器系统, 可同时安装 6 个喷油器在试验台上, 并同时进行测试。
26. 强制冷却系统, 或外接外置油冷机。



NANTAI

NANTAI AUTOMOTIVE TECHNOLOGY CO.,LTD.

COMMON RAIL SYSTEM TEST BENCH 共轨试验台



CR3000A-708 (measuring cylinder system)



CRS708



CRS708 (BLUE)



CR718



CR926



CR926



CR926 (measuring cylinder system)



CR816



CR816



CR817



CR818



CR917



CR918



NTS825/CR825



CR966 (CRI, CRP, HEUI, EUI/EUP)



CR966 (BLUE)



CR966 (WHITE)



CR927



NT1010



NT1010-PRO (CRP+4pcs CRI)



CR1020



CR1030



CR-220M



CR-220MA

Technical Parameters:

Working Voltage 工作电压	380V / 220V	flow sensor range 流量传感器范围	0.008-4L/min
Output Power 输出功率	7.5KW / 11KW / 15KW / 18.5KW / 22KW	flow sensor Accuracy 流量传感器精度	0.5%
Rail Pressure 轨压	0-2800bar	Motor speed range 电机调速范围	0-4000RPM
Rail pressure accuracy 轨压精度	± 0.5bar	Temperature control range 控温范围	40±2

Function details:

1. Automatically test common rail injectors and piezo injectors.
2. Automatically test the inductance of solenoid valve.
3. Automatically test voltage-current curve of the injector.
4. QR coding for BOSCH DENSO DELPHI SIEMENS.
5. Automatically test mechanical pumps.
6. Automatically test common rail pumps.
7. Automatically test Denso HP0 pumps.
8. Automatically test CAT 320D Pump.
9. BIP function for common rail injector.
10. Automatically test DENSO HP5 HP6 pumps.
11. Automatically test Bosch CP5 pump.
12. Automatically test CAT C7/C9/C-9/3126B injectors.
13. Automatically test 3408 3412 ford6.0 injector.
14. Automatically test 3412E ISUZU injector.
15. Automatically test G2.9 3116 injector.
16. Automatically test EUI/EUP, with EU103/EU104 cambox 20psc adapters.
17. Automatically test Cummins HPI injector (X15/Q60 injector).
18. Automatically test Cummins PT injector.
19. Automatically test Cummins PT pump.
20. Automatically test CAT HEUP actuating pump.
21. DRV valve, SCV valve, rail pressure sensor testing.
22. Automatically test VP37 pump.
23. Automatically test VP44 pump.
24. Automatically test RED4 Pump.
25. Automatically test DENSO V3/V4/V5 Pump.
26. One set flow sensor system, 6 injectors can be installed on the test bench together, and the 6 injectors are tested in turn.
27. 6 sets flow sensor systems, 6 injectors can be installed on the test bench together, and can be tested at same time.
28. Forced cooling system, or External oil cooler.

功能详情:

1. 自动检测共轨喷油器，包括压电喷油器。
2. 自动测试喷油器电磁阀的电感。
3. 自动测试喷油器的电压-电流曲线。
4. 共轨喷油器 QR 码生成功能，博世、电装、德尔福、西门子等。
5. 自动测试机械泵。
6. 自动测试共轨泵。
7. 自动测试电装 HP0 泵。
8. 自动测试 CAT 卡特彼勒 320D 泵。
9. 共轨喷油器 BIP 功能，即喷油器响应时间。
10. 自动测试电装 HP5 HP6 系列泵。
11. 自动测试博世 CP5 泵。
12. 自动测试 CAT C7/C9/C-9/3126B 系列喷油器。
13. 自动测试 福特 6.0 以及 3408/3412 系列喷油器。
14. 自动测试 五十铃和 3412E 系列喷油器。
15. 自动测试 G2.9 和 3116 系列喷油器。
16. 自动测试泵喷嘴和单体泵，带 EU103/EU104 全套 20 件套适配器的凸轮箱。
17. 自动测试康明斯 HPI 系列喷油器（X15/Q60 喷油器）。
18. 自动测试康明斯 PT 喷油器。
19. 自动测试康明斯 PT 泵。
20. 自动测试 CAT HEUP 促动泵。
21. DRV 阀、SCV 阀、共轨压力传感器测试。
22. 自动测试 VP37 泵。
23. 自动测试 VP44 泵。
24. 自动测试 RED4 泵。
25. 自动测试 DENSO V3/V4/V5 泵。
26. 六只喷油器分时测试：一套流量传感器系统，可同时安装 6 个喷油器在试验台上，并依次进行测试。
27. 六只喷油器同时测试：六套流量传感器系统，可同时安装 6 个喷油器在试验台上，并同时进行测试。
28. 强制冷却系统，或外接外置油冷机。

EUI EUP TEST BENCH 泵喷嘴单体泵试验台




EUS800 EUI/EUP-V2



EUS900/EUS2000



EU100 CAMBOX



EU102 CAMBOX



EU-500



EUS2001



EUS1600



EUS1800



EU103 CAMBOX



EU104 CAMBOX

PT CUMMINS TEST BENCH PT 康明斯试验台



PT212

FOR PT CUMMINS PUMP



PT212-PRO

FOR PT CUMMINS PUMP



PT411

FOR PT CUMMINS INJECTOR



PT414

FOR PT CUMMINS INJECTOR



PT301

FOR PT CUMMINS INJECTOR LEAKAGE



PT101

TOP STOP SETTING FIXTURE



PT800

CUMMINS TOOLS



PT215 FOR PT CUMMINS PUMP

PERFORMANCE TESTING

HEUI INJECTOR TEST BENCH 中压共轨喷油器试验台



CT796 / CT2000



CT3200



HEUI305



CT3300



CT1000



CT318 CRI+HEUI



CT3100 CRI+HEUI



HEUI ADAPTERS



C7 C9 C-9 3126B



3408 3412 ford6.0



3412E ISUZU



G2.9 3116

ELECTRONIC CONTROL VE PUMP TESTER 电控 VE 泵测试仪



EDC-VE
For BOSCH VP37 Pump



VP44-A
For BOSCH VP44 Pump



VP44-B
For BOSCH VP44 Pump



VP44-C
For BOSCH VP44 Pump



RED4 EDC
For ZEXEL RED4 Electronic in-line pump



ECD-A
For DENSO ECD-V3,V4,V5 Pump



ECD-B
For DENSO ECD-V3,V4,V5 Pump



ECD-C
For DENSO ECD-V3,V4,V5 Pump

COMMON RAIL TESTER 共轨测试仪



CRI 100 / CR1000A-MINI
Common rail injector tester



CRI 110/CR1000A-MINI-AHE
Common rail injector tester
with AHE function



CRI 220
Common rail injector tester



CRI230
Common rail injector tester
with AHE function



CRI 250
Common rail piezo injector tester



CR-C
Common rail injector tester



CR1000
Common rail injector tester



CR1000 (2)
Common rail injector tester



CR1000 (3)
Common rail injector tester



CR1000 (4)
Common rail injector tester



CR1000 (5)
Common rail injector tester



CR1000 (6)
Common rail injector tester



CR1000 (7)
Common rail injector tester



CR1000 (8)
Common rail injector tester



CR1800
Common rail injector tester



CR1600
Common rail injector tester



CR1800-AHE
CR injector tester with AHE function



CRI-L
Common rail injector tester



CRI325
Full function injector tester



CR-128
Common rail injector tester



CR-HT
Common rail injector stroke tester



BIP
Injector response time tester



LCR01
Small LCR tester



LCR02
Test injector inductance tester



LCR03

LCR Meter, can DENSO 6pin injector.



LCR06

Professional LCR Meter



MM01

Automotive Repair Multimeter



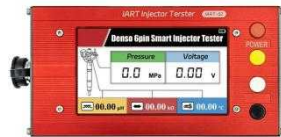
MM06

Automotive Repair Multimeter



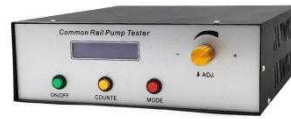
BM500A

Test the insulation resistance of solenoid valves and piezo injectors



IART-02

DENSO 6-pin injector IART tester



CRP860

Common rail pump tester



CRP890 Common rail pump tester
CP1,CP2,CP3,HP3,HP4,HP5,HP6,CP4E,
HP7,HP0,C7/C9....and so on...



CRP900

Common rail pump tester



320D

CAT320D/HEUI/CRP tester



STANDAYNE

pump tester with accessories



CR2000A

Common rail system tester



iGAP-100

Electromagnetic Injector Tester



iGAP-200

Piezoelectric Injector Tester



iGAP-200

With air gap flow meter



iGAP-300

Full-Function CR Injector Tester



FD200

Electromagnetic Injector Tester



FD210

Piezoelectric Injector Tester



FD300

Full-Function CR Injector Tester



GF100 Air-gap flow meter
Piezoelectric Valve Air Gap Flow Rate



CRS330

Common Rail System Tester



TL-600

NANTAI Multi-function tester
(with display)



TL-200 (CRS390)

NANTAI Multi-function tester
(with touch screen)



Accessories

When diesel injection pump test bench add common rail function

AUTOMOTIVE DIAGNOSTIC SCANNER TOOL 汽车诊断扫描仪工具



AUTOMOTIVE DIAGNOSTIC SCANNER
DIESEL 12V+24V + PETROL



ZD800MAX
AUTOMOTIVE DIAGNOSTIC SCANNER (Languages: EN/RU)
DIESEL 12V+24V

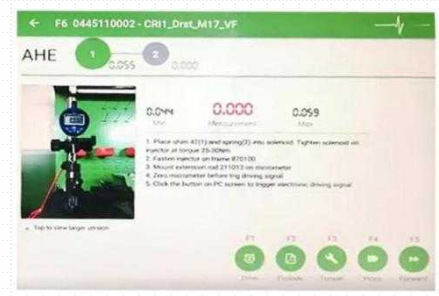
COMMON RAIL INJECTOR STAGE 3 TEST TOOL 共轨喷油器三阶段测试工具



CR3-A (CRM900)



CR3-C (CRM100)



Screen demo



CRM1000 / NTM100

Can Measure (可以测量):

1. Needle valve lift. (针阀升程)
2. The opening pressure of the needle valve. (针阀开启压力)
3. The maximum lift of the armature assembly. (衔铁总成最大升程)
4. The actual lift of the armature. (衔铁实际升程)
5. Solenoid valve air gap. (电磁阀空气间隙)
6. Solenoid valve spring compression. (电磁阀弹簧压缩量)
7. Drive the solenoid valve. (驱动电磁阀)

The internal storage of a variety of common rail injector stroke measurement standard data, suitable for BOSCH, CAT, DENSO, DELPHI, SIEMENS and other brands. (内部储存多种共轨喷油器行程测量标准数据)



NTM300



NTM200 (=NTM100+F508D)

With diesel automobile computer fault diagnosis instrument function (optional)

NOZZLE TESTER 油嘴测试仪

Functions: For testing injection nozzle opening pressure & chattering.

Leakage test & spray pattern.

Atomization & chatter characteristic tests.

功能：用于测试喷嘴打开压力和颤振。

泄漏测试和喷雾模式。

雾化和颤振特性测试。



PS400A Nozzle tester
(iron base)



S60H Nozzle tester
(PA plastic base)



S80H Nozzle tester
(Aluminum base)



S90H Nozzle tester
(PA plastic base + digital gauge)



S100H Nozzle tester
(PA plastic base)



PJ40 Nozzle tester



PJ50 Nozzle tester



PS201 Nozzle tester



S116 SIEMENS PIEZO
INJECTOR TESTER



CRI600A Injector tester
(with motor inside tester)



PS200A Nozzle tester



CR700 Common rail injector tester



CR800 Common rail injector tester
(With measuring cylinder system)



CR800S Common rail injector tester
(With measuring cylinder system)



PQ400
Double springs Nozzle tester



PQ400S
Double springs Nozzle tester(Digital)



PQ1000
Common rail injector tester
(With ultrasonic cleaner)



PQ2000
Common rail injector tester
(With ultrasonic cleaner)

QM100 AIR LEAK TESTER 新能源车电池包气密性检测仪

New Energy Battery Pack Air Tightness Tester / Leak Detector / Air Leakage Tester



Application Scenarios:

-  **New Energy:** Battery casings, battery packs, liquid cooling plates, charging guns, motor housings.
-  **Automotive Parts:** Vehicle lights, onboard cameras, radar units, piping/tubing, connectors.
-  **3C Electronics:** Smartwatches, TWS earbuds, mobile phones, camera modules, IP67/IP68 waterproof testing.
-  **Medical Devices:** Ventilator components, medical tubing, sealing consumables.
-  **Home Appliances:** Electric toothbrushes, water purifiers, robotic vacuums, beauty devices, water pumps.
-  **Others:** Outdoor security equipment, valves and piping, food packaging, precision aerospace components, and so on.

典型应用场景:

-  **新能源:** 电池壳、PACK、液冷板、充电枪、电机壳体。
-  **汽车零部件:** 车灯、车载摄像头、雷达、管路、连接器。
-  **3C 电子:** 智能手表、TWS 耳机、手机、摄像头模组，IP67/IP68 防水测试。
-  **医疗器械:** 呼吸机配件、医用管路、密封耗材。
-  **家电:** 电动牙刷、净水器、扫地机、美容仪、水泵。
-  **其他:** 户外安防设备、阀门管路、食品包装、航空精密件。

技术参数 Technical Parameters:

项目 Items	参数规格 Parameters and Specifications	测试压力范围 Test Pressure Range	0~600 kPa(标配 Standard)
检测原理 Detection Principle	差压式泄漏检测 Differential Pressure Leak Detection	检测精度 Detection Accuracy	±0.1 kPa
测试模式 Test Mode	正压检测(标配)Positive Pressure Detection (Standard)	泄漏分辨率 Leakage Resolution	0.1 kPa
测试流程 Test Procedure	充气 → 稳压 → 测试 → 排气 Inflation → Pressure Stabilization → Testing → Exhaust		
单周期测试时间 Single Cycle Test Time	3~99 s 可调 Adjustable		
控制方式 Control Method	4.3 英寸触摸屏 + 物理按键双控制 4.3-inch Touchscreen + Physical Button Dual Control		
显示内容 Display Content	实时压力、泄漏值、测试状态、流程进度 Real-time Pressure, Leakage Value, Test Status, Process Progress		
测试模式 Test Mode	手动/自动切换功能 Manual/Automatic Switching Function		
气源要求 Gas Source Requirements	0.4~0.8 MPa 洁净干燥压缩空气 Clean Dry Compressed Air		
供电方式 Power Supply Method	DC 24V (标配 AC220V 电源适配器) DC 24V (Standard AC220V Power Adapter)		

GASOLINE INJECTOR & PUMP TESTER 汽油嘴和汽油泵测试仪



QCM200-4C

GASOLINE INJECTOR TESTER &
CLEANER



QCM200-6C

GASOLINE INJECTOR TESTER &
CLEANER



QCM200-8C

GASOLINE INJECTOR TESTER &
CLEANER



QCM300

GASOLINE PUMP TESTER

GDI HIGH PRESSURE INJECTOR TESTER & CLEANER GDI 汽油嘴测试仪清洗机



CT6000 [0~200Bar]



CT6100 [0~200Bar]



CT6000/CT6100 ACCESSORIES

Source	AC110V/220V ±10%
Frequency	50HZ/60HZ
Cleaning tank volume	2000ml
Range of speeds	0~7500RPM
Number of oil injections	0~9900times
PWM pulse width	0~40ms step length 0.1ms
System pressure	0~200Bar Adjustable
Intake air pressure	0~0.8Mpa Adjustable
Time setting	0~10Min Adjustable
Ultrasonic cleaning power	40KHZ

Source	AC110V/220V ±10%
Power	1.5Kw
Frequency	50HZ/60HZ
Cleaning tank volume	2000ml
Range of speeds	0~7500RPM
Number of oil injections	0~9900times
PWM pulse width	0~40ms step length 0.1ms
System pressure	0~200Bar Adjustable
Time setting	0~10Min Adjustable
Ultrasonic cleaning power	40KHZ



CT800



Mainly For Testing
GDI High-pressure
Gasoline Injectors

Major function:

1. Ultrasonic cleaning: ultrasonic cleaning can be carried out simultaneously on one or more oil nozzles to completely remove carbon deposits from oil nozzles.
2. Homogeneity test: to detect the uniformity of oil spraying quantity of each nozzle.
3. Mist observation: Using the background light, the injection and atomize on of oil can be observed in a comprehensive and careful way.
4. Sealing test: can detect the sealing and dripping of the nozzle under high pressure.
5. Oil injection detection: It can detect the oil injection under specific operating parameters (such as the same time and the same number of times).
6. The newly developed GDI fuel nozzle drive software can drive 12V,70V and 120V high voltage fuel nozzles.

主要功能:

1. 超声波清洗: 可同时对单个或多个喷油嘴进行超声波清洗, 能彻底清除喷油嘴的积碳。
2. 均匀性检测: 检测各个喷油嘴喷油量的均匀性。
3. 雾化性观测: 利用背景灯,可全面仔细地观察喷油的喷射雾化情况。
4. 密封性测试: 可检测喷油嘴在高压下的密封性和滴漏情况。
5. 喷油量检测: 可以检测喷油嘴在特定的工况参数下(如相同时间、相同次数)的喷油量。
6. 全新开发的 GDI 喷油嘴驱动软件, 可以驱动 12V 、 70V 、 120V 高压喷油嘴。

GDI HIGH PRESSURE FUEL PUMP TEST BENCH GDI 高压燃油泵试验台



GDI (Gasoline Direct Injection)

high-pressure fuel pump is a core component of a direct injection engine. It is responsible for increasing fuel pressure from low pressure to 15-300 bar or higher. It is then injected directly into the cylinders via the common rail and injectors.

GDI (汽油直喷)

高压燃油泵是直喷发动机的核心部件之一，它负责将燃油从低压状态加压到 15-300bar 或更高，然后通过共轨和喷油器直接注入气缸。

CT7000 [0~300Bar]



CT7100
[0~300Bar]



CT7200
[0~300Bar]



Accessories

for GDI HIGH PRESSURE FUEL PUMP TEST BENCH

The main GDI high-pressure fuel pump brands that can be tested: BOSCH, Continental/Siemens, Denso, Delphi...



Main Functions:

1. Leakage Test: High- and low-pressure leak tests are performed to detect leaks in the pump body, connectors, and seals.
2. Flow Test: Tests the high-pressure pump's fuel flow rate at various speeds (simulating engine speed) and pressures.
3. Pressure Test: Tests the speed at which the fuel pump reaches target pressure and the stability of maintaining pressure under specific operating conditions.
4. Fuel Metering Valve (IMV) Control and Test: Tests the flow regulation characteristics of the IMV valve at various currents to determine whether the valve itself is functioning properly.

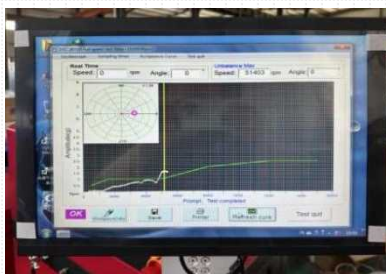
主要功能:

1. 密封性测试: 高压和低压密封测试, 检测泵体、接口、密封圈是否存在泄漏。
2. 流量测试: 在不同转速 (模拟发动机转速) 和压力下, 测试高压泵的供油流量。
3. 压力测试: 测试燃油泵在特定工况下建立目标压力的速度和保持压力的稳定性。
4. 燃油计量阀 (IMV) 控制与测试: 测试 IMV 阀在不同电流下的流量调节特性, 判断阀体本身是否工作正常。

Technical Parameters 技术参数:

Test Speed 测试转速	0-3000 rpm/min
Test Pressure 测试压力	0-300 bar
IMV Test Power Supply IMV 测试电源	0-30V 0-6A
Input Voltage 输入电压	220V 1Ph

NT-D6 TURBOCHARGER INTEGRAL DYNAMIC BALANCING MACHINE 涡轮增压器整体动平衡机



Features:

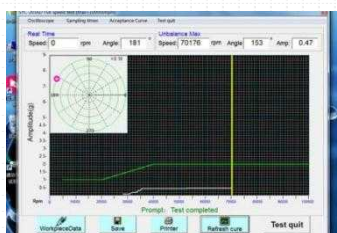
1. The data reading and control system of the machine adopts full digital control and uses the latest generation of industrial computer Windows operating system for processing. With new software and 19-inch color LCD touch screen display, the test results are clear at a glance.
2. The high-speed blower drives the turbocharger, which can realize continuous high-speed detection of the dynamic balance of the turbocharger.
3. An air duct was designed to reduce noise by 60%.

机器特点:

1. 机器的数据读取和控制系统采用全数字化控制, 采用最新一代工业计算机 Windows 操作系统进行处理。采用全新软件和 19 寸彩色液晶触摸屏显示器, 测试结果一目了然。
2. 高速风机驱动涡轮增压器, 可以对涡轮增压器动平衡实现连续高速检测。
3. 风道设计, 使噪音降低 60%。

Technical parameters 技术参数

Test rotary speed 测试转速	0-200000 rpm/min
Input voltage: three-phase 输入电压	380V 3PH
Blower power 风机功率	7.5KW
Unbalance reduction rate 不平衡量减少率	URR 95%
Minimum residual imbalance 最小可达剩余不平衡度	Umar 0.005g
Air volume 风量	8.8 m ³ /h
Air pressure 风压	38kpa
Engine oil pressure 机油压力	0-6bar
Fuel tank capacity 油箱容积	20L
Oil temperature control 油温控制	40±1 °C



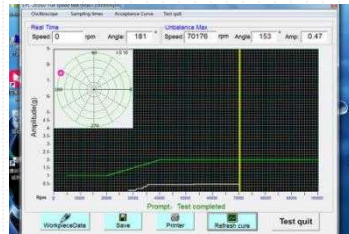
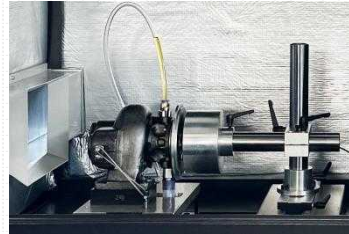
NTP-2 / NT-D1 Turbocharger Rotor Auto-Positioning Balancer 涡轮增压器转子自动定位平衡机



Workpiece mass range 工件质量范围	0.5 ~ 3kg
Workpiece maximum diameter 工件最大直径	150mm
Workpiece shaft diameter range V-block (roller support) 工件轴径范围 V 形块 (滚轮支承)	10 ~ 30mm
Minimum distance between two supports 两支承架最小距离	50mm
Maximum distance between two supports 两支承架最大距离	300mm
Balancing speed range 平衡转速范围	1000 ~ 10000 r/min
Motor parameters 电机参数	220V/200W/2800r/min
Diameter at belt drive 皮带传动处的直径	20 ~ 80mm
Minimum residual unbalance 最小可达剩余不平衡量	Umar 0.005g
Unbalance reduction rate 不平衡量减少率	URR 95%

NT-D8 / NT-D3 TURBOCHARGER INTEGRAL DYNAMIC BALANCING MACHINE

NT-D8 / NT-D3 涡轮增压器整体动平衡机



Features:

1. The data reading and control system of the machine adopts full digital control and uses the latest generation of industrial computer Windows operating system for processing. With new software and 17-inch color LCD touch screen display, the test results are clear at a glance.
2. The high-speed blower drives the turbocharger, which can realize continuous high-speed detection of the dynamic balance of the turbocharger. Adjustable speed 0-200000RPM, according to your request.
3. Complete parts and components meet the requirements of most turbochargers.
4. Equipped with a compact pneumatic hand wheel, weight reduction, easy and efficient work.

机器特点:

1. 机器的数据读取和控制系统采用全数字化控制，采用最新一代工业计算机 Windows 操作系统进行处理。采用全新软件和 17 寸彩色液晶触摸屏显示器，测试结果一目了然。
2. 高速风机驱动涡轮增压器，可以对涡轮增压器动平衡实现连续高速检测。速度 0-200000RPM 可调（根据实际需要）。
3. 零部件齐全，满足绝大多数涡轮增压器的要求。
4. 配备紧凑型气动手轮，去重，工作轻松高效。



Technical parameters 技术参数

Test rotary speed 测试转速	0-200000 rpm/min
Input voltage: three-phase 输入电压	380V 3PH
Blower power 风机功率	7.5KW
Unbalance reduction rate 不平衡量减少率	URR 95%
Minimum residual imbalance 最小可达剩余不平衡度	Umar 0.005g
Air volume 风量	8.8 m ³ /h
Air pressure 风压	38kpa
Engine oil pressure 机油压力	0-6bar
Fuel tank capacity 油箱容积	20L
Oil temperature control 油温控制	40±1 °C

NT-D4 TURBO COMPREHENSIVE PERFORMANCE TEST BENCH 涡轮增压器综合性能试验台



Test items

1. Detect the speed characteristics of automobile turbocharger.
2. Detect the air flow of the turbocharger of the car.
3. Detect the boost pressure of the turbocharger of the car.
4. Detect the intake pressure of the automobile turbocharger.
5. Detect the lubrication state of the turbocharger of the automobile.

检测项目

- 1、检测汽车涡轮增压器的转速特性。
- 2、检测汽车涡轮增压器的空气流量。
- 3、检测汽车涡轮增压器的增压压力。
- 4、检测汽车涡轮增压器的进气压力。
- 5、检测汽车涡轮增压器的润滑状态。

Technical parameters 技术参数:

电压 Voltage: 380V 3Ph	油泵额定压力 Rated pressure of oil pump: 0-1.6Mpa
气流产生器功率 Airflow generator power: 7.5KW	油泵最大排量 Maximum displacement of oil pump: 6L/min
油泵电动机功率 Oil pump motor power: 550W	气流产生器转速 Speed of airflow generator: 0-5000r/min (speed can be customized) (如需高速可定做)
变频器 Inverter: 11KW	气流产生器最大风压 Maximum wind pressure of airflow generator: 38Kpa
设备颜色 Color: 可定做 can be customized	气流产生器最大流量 Maximum flow of airflow generator: 1500 cubic meters / hour 立方/小时

NT-L INJECTOR NOZZLE / VALVE PLATE / VALVE CAP(VALVE BONNET) FLOW TEST BENCH

NT-L 喷油器油嘴/阀板/阀帽 流量试验台

技术参数:

1. 标准测试压力: 100bar (20~120bar 可设定);
2. 测试压力稳定性: 100bar $\pm$ 0.5bar;
3. 压力传感器精度 0.2%, 压力显示精度 0.1bar;
4. 油温控制范围: 40 $\pm$ 2 $^{\circ}$ C (10-100 $^{\circ}$ C 可设定);
5. 流量测试范围: 0.1~4L/min;
6. 流量测试重复精度 $\pm$ 0.003L/min;
7. 每件测试节拍: <6 秒;
8. 可设定流量上下限, 对超差件作出判断;
9. 可设定分组规则, 对测试件进行流量分组;
10. 可选配背压功能, 背压范围 0~60bar 可设定。

Technical Parameters:

1. Standard test pressure: 100bar (20~120bar can be set);
2. Test pressure stability: 100bar $\pm$ 0.5bar;
3. The pressure sensor accuracy is 0.2%, and the pressure display accuracy is 0.1bar;
4. Oil temperature control range: 40 $\pm$ 2 $^{\circ}$ C (10-100 $^{\circ}$ C can be set);
5. Flow test range: 0.1~4L/min;
6. Flow test repeatability $\pm$ 0.003L/min;
7. Test beat per piece: <6 seconds;
8. The upper and lower flow limits can be set to make judgments on out-of-tolerance parts;
9. Grouping rules can be set to group traffic for test pieces;
10. The back pressure function is optional and the back pressure range can be set from 0 to 60 bar.



NT-Y INJECTOR NOZZLE / VALVE PLATE MICROPOROUS EXTRUSION GRINDING MACHINE

NT-Y 喷油器油嘴/阀板 全自动微孔挤压研磨机

Mainly used for nozzles/control valves/bonnets and micro-hole machining that require precise flow requirements.

主要用于油嘴/控制阀/阀帽以及需要精密流量要求的微孔加工。

主要技术参数:

1. 加工压力: 1~20MPa
2. 加工成品流量散差: $\leq \pm 1\%$
(毛坯件加工余量 5%~10%左右)
3. 加工效率: 10~20s/件
(加工余量 $<10\%$)
4. 电压三相 380V/220V 可选
5. 功率 5.5KW

Technical Parameter:

1. Processing pressure: 1~20MPa
2. Flow dispersion of finished products: $\leq \pm 1\%$
(machining allowance of blanks is about 5% to 10%)
3. Processing efficiency: 10~20s/piece
(machining allowance $<10\%$)
4. Voltage three-phase 380V/220V optional
5. Power 5.5KW



NT-S SCV VALVE FLOW PERFORMANCE TEST BENCH NT-S 燃油计量阀流量性能试验台



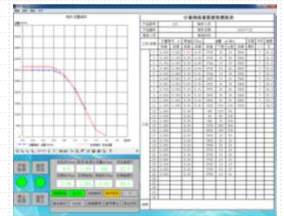
Single working station



Single working station



Double working station



Performance display



Main Specifications (主要技术指标):

工作电源 Power supply: 380V/50Hz	流量测量范围 Flow measurement range: 1-10000ml/min, accuracy 0.1ml
工作压力 Working pressure: 0-10bar adjustable, accuracy ± 0.01 bar	温度自动控制 Automatic temperature control: $40 \pm 2^\circ\text{C}$, can be set
电流调节范围 Current adjustment range: 0-3A, accuracy 0.001A	颜色和形状 Color and shape: customized 可定制

The main function:

1. PWM pulse width modulation output drive signal, measure the flow of the metering valve when the oil pressure is stable at 5 ± 0.1 bar;
2. It can test the normally open and normally closed metering valves of a variety of structural forms and sizes;
3. Automatically collect, process and draw the metering valve current-flow curve, and generate data reports;
4. It can be used to manually adjust the current, and perform current-flow test on the fixed point;
5. Automatically and judge whether the pressure, flow, and ring difference of each measuring point of the metering valve component are qualified;
6. It has the functions of continuous test, single point test, standard recording, reliability fatigue run-in, etc;
7. It has the functions of standard database compilation, storage, uploading, statistics, calling, printing, etc.;
8. The dual-station equipment can detect two SCV valves respectively, with stable output and high efficiency.

主要功能:

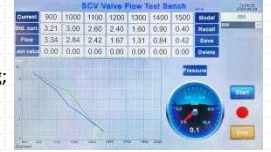
1. PWM 脉宽调制输出驱动信号, 油压稳定在 5 ± 0.1 bar 时测量计量阀的流量;
2. 可对多种结构形式及尺寸的常开及常闭计量阀的测试;
3. 自动采集、处理并绘制计量阀电流-流量曲线, 生成数据报表;
4. 可满足手动调整电流, 对固定点进行电流-流量测试;
5. 自动并判断计量阀部件各个测量点的压力、流量、环差是否合格;
6. 具有连续测试、单点测试、标准录制、可靠性疲劳磨合等功能;
7. 具有标准数据库编制、存储、上传、统计、调用、打印等功能;
8. 双工位型号可分别检测两只产品, 输出稳定, 效率高。

SCV100 SCV VALVE FLOW PERFORMANCE TEST BENCH SCV 阀流量性能试验台



Functions:

1. Drives the metering valve with a DC signal and measures its flow rate while maintaining a stable oil pressure of 4 ± 0.1 bar;
2. Capable of testing normally open and normally closed metering valves of various configurations and sizes;
3. Automatically acquires, processes, and plots the metering valve's current-vs-flow curve;
4. Supports manual current adjustment for current-flow testing at specific set-points;
5. Includes functions for continuous testing, single-point testing, and standard profile recording;
6. Includes functions for creating, storing, and retrieving standard test profiles;



主要功能:

- 1、直流电流驱动信号，油压稳定在 4 ± 0.1 bar 时测量计量阀的流量；
- 2、可实现对多种结构形式及尺寸的常开及常闭计量阀的测试；
- 3、自动采集、处理并绘制计量阀电流/流量曲线；
- 4、可满足手动调整电流，对固定点进行电流-流量测试；
- 5、具有连续测试、单点测试、标准录制等功能；
- 6、具有标准数据库编制、存储、调用、等功能。

Technical Specifications 主要技术指标:

Power supply 工作电源	Single-phase 220V/50Hz 单相 220V/50Hz
Operating pressure 工作压力	0-4 bar (adjustable), accuracy ± 0.1 bar 0-4 可调, 精度 ± 0.1 bar
Current adjustment range 电流调节范围	0-3A, accuracy 0.01A 电流调节范围: 0-3A, 精度 0.01A
Flow measurement range 流量测量范围	0-5 L/min, accuracy 0.01 L/min 0-5L/min, 精度 0.01 L/min

HIGH-PRESSURE COMMON RAIL PRESSURE RELIEF VALVE PERFORMANCE TEST BENCH

高压共轨管泄压阀性能试验台



Main Functions:

1. The high-pressure common rail pressure relief valve is a safety device on the high-pressure common rail pipe. When conditions such as an open fuel metering valve on the high-pressure pump, a blocked return line, or a stuck injector cause the rail pressure to exceed the valve's opening pressure, the valve opens to release pressure and maintain a certain flow rate. This flow rate ensures the rail pressure is maintained within a certain range, generally below 1000 bar, causing the engine to reduce power and enter limp-home mode. As the rail pressure continues to decrease until the pressure relief valve resets, this pressure becomes the closing pressure.
2. The main function of the pressure relief valve performance test bench is to test the valve's opening pressure, maintaining pressure, maintaining flow rate, and closing pressure.

主要功能简介:

1. 高压共轨管泄压阀部件是高压共轨管上的安全装置，当发生高压泵上的燃油计量阀开路、回油路堵塞、喷油器卡死等状况导致轨压高于泄压阀开启压力时开启，释放压力并保持一定的流量，此流量保证轨压能够维持在一定范围，一般 1000bar 以下，发动机降低功率进入跛行回家模式。当轨压继续下降，直到泄压阀复位，此时的压力为关闭压力。
2. 泄压阀性能试验台的主要功能是测试泄压阀的开启压力、维持压力、维持流量和关闭压力。

Technical Parameters 技术参数:

Power Supply 设备电源	3PH, AC380V, 50Hz	Fuel Temperature Setting 燃油温度设定	$40^{\circ}\text{C} \pm 2^{\circ}\text{C}$ (adjustable) (可自行调节)
Inverter Power 变频器功率	5.5KW	Fuel Tank Capacity 燃油箱容积	40L
Motor Power 电机功率	4KW	Fuel Filter Accuracy 燃油滤清器精度	5 μ
Pressure Adjustment Range 压力调整范围	0-300MPa	Embedded industrial computer 嵌入式工控机	17-inch LCD touch screen 17 寸液晶触摸显示屏
Pressure Adjustment Accuracy 压力调整精度	0.1MPa	Equipment Color 设备颜色	Customized 可定制
Flow Measurement Range 流量测量范围	0-10L/min		
Flow Measurement Accuracy 流量测量精度	0.005L/min		

CP2000 Marine fuel injector test bench 船用喷油器试验台



CP2000 injector performance test bench is a specialized testing device for evaluating the performance of various types of marine injectors.

The test bench uses a high-compression-ratio gas-liquid booster pump as the pressure source, offering convenient injection rate control, minimal pressure fluctuation, low noise, and reliable performance.

An industrial computer collects data, displays the injector's injection pressure in real time, records the opening pressure, plots pressure curves, records data, and generates test reports, supporting storage and printing functions.

CP2000 喷油器性能试验台是针对各种型号船用大喷油器性能检测的专用试验设备。

试验台采用高压压缩比的气液增压泵作为压力源，喷射速率控制方便，压力波动小，设备噪音低，性能可靠。

工业电脑采集数据，实时显示喷油器的喷射压力，记录开启压力，绘制压力曲线，记录数据并生成测试报告，支持存储和打印功能。

Power Supply 电源	1Ph, AC220V, 50/60HZ	Pressure Sensor Accuracy 压力传感器精度	≤0.5%
Total Power 整机功率	2kW	Test Oil Tank Capacity 试验油箱容积	27L
Gas-Liquid Booster Pump Model 气液增压泵型号	GPSY200-100	Fuel Filtration Accuracy 燃油过滤精度	5μm
Pressure Ratio 增压比	80	Dimensions (mm) 外型尺寸 (mm)	1145×800×1580
Test Pressure Range 测试压力量程	0-80Mpa	Weight (kg) 重量 (kg)	400

NYM930 HYDRAULIC COMPREHENSIVE TEST BENCH NYM930 液压综合试验台



Functions:

1. Testing of open and closed hydraulic pumps:
flow, pressure, variable characteristics, volumetric efficiency, pressure curve, flow curve, etc.
2. Testing of low-speed hydraulic motors and high-speed hydraulic motors:
flow and pressure. Can simple test the pressure and flow of hydraulic valves.

功能:

1. 开、闭式液压泵的测试:
流量、压力、变量特性、容积效率、压力曲线、流量曲线等。
2. 低速液压马达和高速液压马达的测试:
流量、压力,可简单测试液压阀的压力和流量。

Features:

1. The motor is manually loaded and the hydraulic pump is automatically loaded; the frequency converter is variable speed controlled.
2. The integrated oil circuit block design makes the system have the characteristics of less leakage, compact structure, easy disassembly and assembly, etc.
3. The output oil circuit is arranged neatly and clearly, making it easy to operate and install.
4. The integrated design of the test bench is divided into main pump station operating area, motor operating area and equipment operation control area.

特点:

1. 马达手动加载，液压泵自动加载；变频器变速控制。
2. 采用集成油路块设计，使系统具有泄漏少，结构紧凑、拆装、方便等特点。
3. 输出油路排列整齐、清晰，易于操作安装。
4. 试验台一体化设计，分主泵站操作区、马达操作区和设备操作控制区。

Main Specifications 主要技术指标:

功率 Power: 45KW+7.5KW+0.75KW

最大压力 Maximum pressure: 35MPa

主系统流量 Main system flow: 400L

液压泵实验转速 Hydraulic pump experimental speed: 0--1500r/min

回油流量 Return oil flow: 100L

NOZZLE / PLUNGER RADIAL SEAL TEST BENCH 油嘴/柱塞径部密封试验台

This test bench is a special equipment for testing the radial sealing performance of the diesel injector nozzle assembly and plunger assembly.
该试验台是检测柴油喷油器油嘴偶件和柱塞偶件的径部密封性能的专用设备。



Main performance features:

1. The working pressure is adjustable from 0-40MPa, and the foot pedal controls automatic clamping.
2. The display shows diesel pressure and sealing time;
3. The preparatory pressure, timing pressure and stop pressure can be flexibly set.
4. Use a gas-liquid booster pump to generate pressure quickly and stably.
5. With manual and automatic modes, high testing efficiency.
6. Accurate timing and good repeatability.
7. Grouping rules can be set to automatically determine eligibility.
8. The dimensions are in line with ergonomics, and the operator can operate while sitting.

主要性能特点:

- 1、工作压力 0-40MPa 可调, 脚踏板控制自动夹紧。
- 2、显示屏显示柴油压力和密封时间;
- 3、可灵活设定预备压力、计时压力和停止压力。
- 4、采用气液增压泵产生压力迅速稳定。
- 5、具有手动和自动模式, 测试效率高。
- 6、计时精准, 重复性好。
- 7、可设定分组规则, 自动判断是否合格。
- 8、外形尺寸符合人体工程学, 操作人员可坐姿操作

NT-F FIBER LASER MARKING MACHINE 光纤激光打标机



Model 型号 20W/30W/50W

Cooling 冷却方式	Built-in air cooling
Power 功率	REYCUS /Max
Laser wavelength 激光波长	1064nm
Repetition frequency 重复频率	20-80KHZ
Marking range 打标范围	110*110mm/150*150mm/200*200mm/300*300mm
Marking speed 打标速度	≤7000mm/s
Minimum line-width 最小线宽	0.03mm
Minimum character 最小字符	0.2mm
Repeat accuracy 重复精度	±0.01
Power supply 电源	AC220V/50Hz
Power consumption 功耗	1000W

NT-P INJECTOR PERFORMANCE TEST BENCH NT-P 喷油器性能试验台

Its main function is: when using the static method to detect the performance of the injector assembly, it provides system pressure, realizes fine-tuning and fine-tuning functions, observes the atomization state of a single injection, and measures the sealing time.

- a) Motorized and manual detection of the opening pressure of the injector;
- b) Motorized and manual inspection of injector spray shape and quality;
- c) Manually detect the injector sealing time.

其主要作用为: 在使用静态法检测喷油器总成性能时, 提供系统压力, 实现微调、精调功能, 观察单次喷射雾化状态, 测量密封时间。

- a) 机动和手动检测喷油器的开启压力;
- b) 机动和手动检测喷油器喷雾形状及质量;
- c) 手动检测喷油器密封时间。



Main Technical Parameters

- 1) Motor power: 3kw;
- 2) Fuel injection pump model: BOSCH CP3;
- 3) Test oil tank volume: 42L;
- 6) Pressure gauge range: 0-60MPa, accuracy: level 1.6;
- 7) Precision pressure gauge range: 0-60MPa, accuracy: 0.4 level;
- 8) Fuel filtration accuracy: 5 μm;
- 9) Pressure time tester: sealing time accuracy is 0.1 seconds;
- 10) Maximum pressure test range: 0-40MPa, effective test range: 0-36MPa;
- 11) Pressure sensor accuracy: ≤0.5%;
- 12) Overall dimensions (L type, mm): 1145×800×1580;
- 13) Weight (L type): 600Kg.

主要技术参数

- 1) 电机功率: 3kw;
- 2) 喷油泵型号: BOSCH CP3;
- 3) 试验油箱容积: 42L;
- 6) 压力表量程: 0-60MPa, 精度: 1.6 级;
- 7) 精密压力表量程: 0-60MPa, 精度: 0.4 级;
- 8) 燃油过滤精度: 5 μm;
- 9) 压力时间测试仪: 密封时间精度 0.1 秒;
- 10) 压力最大测试范围: 0-40MPa, 有效测试范围: 0-36MPa;
- 11) 压力传感器精度: ≤0.5%;
- 12) 外型尺寸 (L 型, mm): 1145×800×1580;
- 13) 重量 (L 型): 600Kg.

CLEANER & AFTERTREATMENT EQUIPMENT 清洗设备 & 后处理设备



NTC-Diesel Fuel Tank
Cleaner



Pump cleaning tank
(Volume: 20-gallon)



SCR Cleaning Machine



DOC DPF SCR High Temperature Regeneration
System



DPF-812S

SCR DPF Post-processing
Intelligent High-Temperature
Regeneration Equipment



DPF-ZL89H

Fuel-fired aftertreatment and
regeneration equipment



GW-912

Fuel-fired aftertreatment and
regeneration equipment



GW-5800

Fuel-fired aftertreatment and
regeneration equipment

Ultrasonic Cleaner with Digital Controller & Timer Heater 超声波清洗机



型号 Model	内槽尺寸 Cleaning tank dimensions	外型尺寸 Overall dimensions	容量 capacity	超声功率 Ultrasonic power	震头数 Number of vibrating heads	频率 frequency	加热功率 Heater power	时间 Time control	加热温度 Heating temperature	电源电压 power supply voltage
113HTDS	150*140*65MM	190*170*150MM	1.3L	60W	1	40KHz	100W	数码液晶 控制0-99 分钟	0-80℃	220V
120HTDS	150*140*100MM	190*170*195MM	2L	60W	1	40KHz	100W			220V
230HTDS	240*140*100MM	270*160*220MM	3.2L	120W	2	40KHz	100W			220V
360HTDS	300*155*150MM	330*180*280MM	6.5L	180W	3	40KHz	300W			220V
410HTDS	300*240*150MM	330*270*280MM	10L	240W	4	40KHz	300W			220V
615HTDS	330*300*150MM	360*330*280MM	15L	360W	6	40KHz	400W			220V
822HTDS	500*300*150MM	530*330*280MM	22L	480W	8	40KHz	500W			220V
1030HTDS	500*300*200MM	530*330*330MM	30L	600W	10	40KHz	500W			220V
1037HTDS	500*300*235MM	530*330*380MM	35L	720W	12	40KHz	700W			220V
1015W	500*300*300MM	760*530*580MM	45L	750W	15	28K /40K	2000W	1-60分钟 或常开	220V	
1020W	500*400*300MM	760*580*550MM	60L	1000W	20	28K /40K	3000W		220V	
1026W	600*400*400MM	870*580*720MM	96L	1300W	26	28K /40K	3000W		220V	
1030W	600*500*400MM	870*680*670MM	120L	1500W	30	28K /40K	3000W		220V	
1040W	700*500*400MM	970*680*670MM	140L	2000W	40	28K /40K	6000W		380V	
1050W	800*500*450MM	1070*680*730MM	180L	2500W	50	28K /40K	6000W		380V	
1070W	900*600*550MM	1070*780*780MM	270L	3500W	70	28K /40K	6000W		380V	
DK-1072W	1000*600*600MM	1270*780*880MM	360L	4250W	85	28K /40K	9000W		380V	



NANTAI

NANTAI AUTOMOTIVE TECHNOLOGY CO.,LTD.

WORKBENCH 工作台



WORKBENCH 01



WORKBENCH 02



WORKBENCH 03



WORKBENCH 04

COMMON RAIL TOOLS 共轨工具



NO.1060-1

Injector dismounting stand



NO.1060-2

38pcs CR Injector tools



NO.1060-2A

38pcs tools + torque wrench



NO.1060-3

40pcs CR Injector tools



NO.1060-3A

40pcs tools + torque wrench



NO.1060-4

23pcs tools+torque wrench



NO.1061

Injector dismounting stand



NO.1061A

CR injector disassembly and reassembly stand for (with flip function), and injector stand of dynamic stroke testing, with CRI dynamic stroke tester



NO.1061B

CR injector disassembly and reassembly stand for (with flip function), and injector stand of dynamic stroke testing



NO.1062

20pcs CR injector tools



NO.1063

Injector adaptor(12pcs)



NO.1063-2

short clamp injector adaptor



NO.1064

rapid connector Φ7 Φ9



NO.1065

Common rail pump tools



NO.1066

CR injector demolition tools



NO.1067

common rail pressure tester



NO.1067A

common rail pressure tester



NO.1068

meter holder



NO.1069

grinding tools for valve cap



NO.1069A

grinding tools for valve cap



NO.1070

Leaking test tools for valve
assy



NO.1071

CP1/CP3 pump rotating tools



NO.1072

8pcs injector cleaning tool



NO.1073

electron microscope



NO.1073A

Binocular microscope



NO.1073B

High definition electron microscope



NO.1074

shims measure tools



NO.1075

17pcs injector cleaning tool



NO.1076

DENSO G3 injector
095000-07050 adapter



NO.1076A

DENSO G2 injector adapter



NO.1076B

DENSO-VOLVO adapter



NO.1076C

John Deere Denso 6480
adapter



NO.1077

H10 adaptor for denso injector



NO.1077A

1211 injector oil back adaptor



NO.1078

CAT 320D injector H20 Adapter



NO.1078A

Various oil return adapters



NO.1079

multi-functional adapter



NO.1080

multi-functional adapter



NO.1081

bosch fuel collector



NO.1082

bosch pump valve puller



NO.1082A

bosch 818 pump valve puller



NO.1083

delphi pump valve puller



NO.1084

common rail injector valve
testing tools



NO.1085

common rail injector valve
testing tools



NO.1086

common rail injector valve
testing tools with shims



NO.1087

New fuel injector measuring
tool



NO.1088

fuel injector flow tools



NO.1088A

Rapid Return oil adaptor



NO.1088B

Built-in injector return liner
1set=10pcs



NO.1088C

BOSCH DENSO Remote
injector return connector



NO.1088D

Common rail injector return
oil connector sets



NO.1088E

Rapid Return oil adaptor



NO.1089

cylinder pressure meter for
diesel truck



NO.1090

CR injector filter tools



NO.1091

HP0 pump plunger repair tools



NO.1091A

HP0 pump plunger repair tool



NO.1092

three jaw tools



NO.1092A

three jaw tools without rod



NO.1092B

three jaw tools without rod



NO.1093

CAT 320D tools



NO.1093A

CAT 320D tools



NO.1094

Metering unit valve tool



NO.1095

320D Pump tool



NO.1095A

320D Pump solenoid valve
spanner



NO.1095B

320D Pump tool



NO.1095C

320D Pump stand and
coupling



NO.1096

CAT 320D tools



NO.1096A

CAT 320D 336E tools



NO.1097

piezo injector tools



NO.1097A

piezo injector tools



NO.1098

injector dismounting stand



NO.1098A

injector dismounting stand



NO.1099

new CUMMINS injector tools



NO.1100

CAT 320D injector tools



NO.1100A

CAT 320D injector tools



NO.1101

Torque wrench



NO.1101A

Torque wrench



NO.1102

denso injector filter tools



NO.1103

T02 injector stand



NO.1104

T04 injector stand



NO.1105

T06 injector stand



NO.1105A

6pcs injector stand



NO.1106

injector collect stand



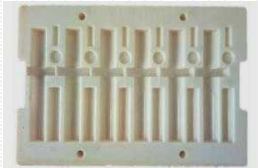
NO.1107

Bosch 120 injector valve puller



NO.1108

Bosch 110 injector valve puller



NO.1109

repair parts plate



NO.1109A

repair parts plate



NO.1109B

Injector insert tray



NO.1110

micrometer stand



NO.1111

back oil adaptor



NO.1112

CAT 320D C7/C9/C-9 tools
with shims



NO.1113

cummins ISG injector tools
with shims



NO.1113A

Cummins ISG injector tools



NO.1113B

Cummins ISG injector valve
testing tools



NO.1113C

ISG CR injector disassemble
injector /measuring tools



NO.1113D

XPI 2872544 injector oil back
adapter



NO.1113E

XPI injector tool



NO.1114

Foton Cummins ISG injector
spanner



NO.1115

low pressure supply testing
tools



NO.1116

CRIN4 BOSCH 4 pins injector
disassemble tools



NO.1116A

CRIN4 BOSCH 4 pins injector
disassemble tools



NO.1116B

CRIN4 BOSCH 4 pins injector
adapter



NO.1116C

Bosch CRIN4.2 full-function
injector repair tool



NO.1117

Oil proof digital dial indicator



NO.1118

Magnetic base



NO.1119

Oil proof shim measuring
tool



NO.1120

Denso injector valve testing
tools without dial indicator



NO.1121

bosch piezo valve repair tools



NO.1122

bosch/denso solenoid wrench



NO.1123

CAT 320D solenoid wrench



NO.1124
Diesel Pump Bracket



NO.1125
Automobile circuit detector



NO.1126
Vernier Caliper



NO.1127
shims grinding tool



NO.1128
Digital multi-meter



NO.1129
Auto resistance simulator



NO.1129A
Auto resistance simulator



NO.1129B
Solenoid valve inductance tool



NO.1130
Infrared Thermometer



NO.1131
CR injectors Fixture tool



NO.1131A
CR injector fixture tools



NO.1131B
CR injector fixture tools



NO.1131C
CR injector fixture tools



NO.1132
Fuel injector disassembly
puller from vehicle



NO.1133
Simple common rail injector
dismantling tools



NO.1133A
Multi-function Universal
common rail injector
dismantling tools



NO.1134
dismounting tools for filter



NO.1135 (2500bar)
CR high pressure oil way
plunger pressure testing tool



NO.1135A (2000bar)
CR high pressure oil way
plunger pressure testing tool



NO.1136
O ring/ oil seal dismantling
tool



NO.1137
Turbocharge testing tools



NO.1138
Shims box



NO.1139
PIEZO injector spanner



NO.1140
small cleaning basket



NO.1141
simple CR tools(5pcs)



NO.1142
Bosch120 spanner
27&28mm



NO.1143
Delphi A3/E3 stand



NO.1144
CR pipe adapter



NO.1144A
CR pipe adapter



NO.1144B
CR pipe adapter
M12 M14 M16



NO.1145A
common rail injector
universal adaptor



NO.1145B
common rail injector
universal adaptor



NO.1145C
common rail injector
universal adaptor



NO. 1146
BOSCH piezo injector 8 angel
spanner -15&16mm



NO.1147 (2500bar)
CR high pressure testing
tools



NO.1147A
CR high pressure testing
tools



NO.1148
PIEZO injector tools



NO.1149
injector puller



NO.1150
CHONGYOU injector tools



NO.1151
DENSO 1211 Dismounting
and measuring tools & shims



NO.1152
SIEMENS Measuring tool &
shims



NO.1152A
SIEMENS Piezo injector
solenoid valve spanner



NO.1153
Full series truck dismounting
tools



NO.1154
BOSCH full series piezo
injector tools



NO.1155
CRIN2 (Bosch 120 series)



NO.1156
CRIN2 (Bosch 110 series)



NO.1157
SIEMENS piezo injector



NO.1158
BOSCH 120 VEH



NO.1158A
BOSCH CRI-111 VEH



NO. 1159
DENSO G3



NO.1160
SIEMENS piezo tool



NO.1161
CAT320D Measuring tool



NO.1162
C7 C9 measuring tool



NO.1163
measuring tools set



NO.1164
DENSO G4 measuring tool



NO.1165
DELPHI measuring tool with
shims



NO.1166
Denso injector body middle
hole grinding tool



NO.1166A
DENSO Injector Housing
Valve Inner Part Grinding
Repair Tools



NO.1167
Denso injector valve rod
grinding tool



NO.1168
Injector repair kits install tool



NO.1169

Stoke tools for CUMMINS
4384786 injector



NO.1170

Various couplings



NO.1170A

Lock nut couplings



NO.1171

SD1000 Injector mist suction
machine



NO.1172

CR-XWQ Injector mist
suction machine



NO.1173

Pump disassembly tools
CP1 CP2 CP3 HP0 PT VP37 VP44



NO.1174

CR Pump disassembly tools



NO.1175

BOSCH CP4 /DENSO HP3 HP4
pump plunger tool



NO.1176

DENSO G3 G4 injector tool



NO.1177

Common rail injector tool



NO.1178

Dongfeng Longqing
1112010-E9300 injector tool



NO.1178A

DELPHI F2R Dongfeng
Longqing injector tool



NO.1178B

DELPHI F2ENPI Dongfeng
Longqing 3+3 injector tool



NO.1178C

Dongfeng Longqing injector
tool



NO.1178D

DAF injector tool



NO.1178E

DAF Precision Refinishing Kit



NO.1179

L'ORANGE 4000.3MTU
disassembly tool



NO.1180

Injector pneumatic puller



NO.1180A

Injector pneumatic puller



NO.1181

Piezo injector repair tools



NO.1181A

BOSCH Piezo injector one
way valve



NO.1182

Bosch 120 Series Injector
Solenoid Valve Spacer Tool



NO.1183

Denso Sinotruck MAN L plate
coupling kit



NO.1184

LiaoNing XinFeng injector
repair tools



NO.1185

CHONGYOU injector
disassembly and
measurement tools



NO.1186
Bosch CP4 pump
disassembly and repair tools



NO.1187
EDC3000 Tool/Tester Trolley



NO.1188
Injector shims grinding
machine



NO.1188A
Injector shims grinding tool



NO.1189
Sealing tester for injector valve
cap and control valve



NO.1190
GR-8000 Grinding tool for
injector nozzle needle



NO.1191
TH-100 CRI Spring tester
with limit position, is used to
test the torque within the
effective stroke of the spring.



NO.1192
Piezoelectric fuel injector
vacuum equipment



NO.1193
Oil lubrication trolley
for testing pumps



NO.1194
DENSO full series assembly
and disassembly tool



NO.1195
Injector stroke measuring
stand



NO.1196
Injector stroke measuring
stand with air cylinder



NO.1197
PERKINS Pump tools



NO.1198
Injector repair and grinding
tool



NO.1199
DENSO G4 Measuring tool



NO.1200
ZME/DRV Metering Unit
Pressure Measurement
Instrument



NO.1201
Piezoelectric fuel injector
repair tools



NO.1202
YM-100 Precision Horizontal
Honing Machine, for grinding
various denso valve rod



NO.1203
AT-100 Automatic
Electronically Controlled Valve
Grinding Platform.



NO.1204
TOYOTA HiLux injector tools
with shims

Some Special Fuel Pump Test Kits 特殊油泵测试套件

NO.1002 CAT 336E C9.3		NO.1008 MTU-2000		NO.1011 MTU-4000	
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NO.1001 Test Kit Flange Seat		NO.1003 Cardinal		NO.1004 CB28		NO.1005 HP5 HP6	
NO.1006 HP7 CCR CP5 CP4.2 CP2.2		NO.1009 QSK19		NO.1010 Yangtzc		NO.1014 Scania	
NO.1015 CAT 320D		NO.1007 Cummins M11		NO.1012 Liebherr 11.2		NO.1013 Liebherr 11.5	

HEUI/EUI/EUP TOOLS 中压共轨/泵喷嘴/单体泵 工具

				
NO.0102 EUI disassembly fixing tool	NO.0103 EUI CUMMINS N14/L10 tools	NO.0104 VOLVO 20430583/ 20440388/2050062 tools	NO.0105 CAT HEUI 3126/C7/C9 tools	NO.0106 HEUI/EUI dismounting stand
				
NO.0106A HEUI/EUI Spring remove tool	NO.0106B HEUI/EUI dismounting tool	NO.0107 CAT C7/C9 injector puller	NO.0108 CAT C7/C9 spool valve dismounting tool	NO.0109 CAT C7/C9 simple dismounting stand
				
NO.0110 C7/C9 spool valve fix tools	NO.0111 measuring seat for EUI EUP	NO.0112 CAT C7 C9 C13 C15 3126 tools	NO.0113 C7/C9 injector repair kits tools	NO.0114 CAT HEUI 3126 C7/C9 tools
				
NO.0115 CUMMINS EUI tools	NO.115A/NO.0229 CUMMINS EUI tools	NO.0116 VOLVO EUI tools	NO.0117 CAT C13 repair tools	NO.0118 CAT /HEUI Three-jaw spanner



NO.0119

C7/C9 injector simple tools



NO.0119A

C7/C9 injector tools



NO.0119B

C7/C9 injector tools



NO.0220

simple tools for Volvo



NO.0220A

Tools for Volvo EUI



NO.0221

dismantling tools for M11
N14



NO.0221A

Cummins M11 tool



NO.0222

tools for Scania injector



NO.0222A

tools for Scania injector



NO.0222B

tools for Scania injector



NO.0223

Cat C7/C9/C-9/3126 tool



NO.0223A

CAT C7C9 Engine oil Valve
Stroke Measurement Tool



NO.0224

Cat injector dismantling
stand



NO.0225

CAT 3126 Injector puller



NO.0225B

Common rail injector puller



NO.0226

CAT 3500E 3508E 3512E
3516E



NO.0226A

CAT 3500 Repair Tool



NO.0227

CUMMINS KTA19



NO.0228

HYNDI 22880-84001



NO.0230

CUMMINS ISX TOOLS



NO.0231

CAT pump lift valve tool



NO.0232

M11 injector solenoid valve
stroke sealing test tools



NO.0233

Cummins injector solenoid
tool



NO.0234

EUI/EUP stroke measure tools



NO.0235

EUI/EUP valve grinding tools



NO.0235A

EUI/EUP valve grinding tools



NO.0235B

EUI/EUP valve grinding tools



NO.0236

EUI EUP valve grinding tools



NO.0237

EUI nozzle adapters



NO.0237A

EUI nozzle adapters



NO.0238
DELPHI E1 E3 tools



NO.0238A
DELPHI E1 E3 tools



NO.0239
CAT C7 C9 C-9 injector tool



NO.0240
CUMMINS solenoid valve
tools For M11,N14



NO.0241
BOSCH repair tools, Fit for
SCANNIA and VOLVO



NO.0242
CAT C10 C11 C12 C13 C15
C18 Tools



NO.0242A
CAT EUI C13 C15 C18 Tools



NO.0243
3408/3412 tools



NO.0244
CAT 3126 HEUI tools



NO.0245
CAT336E tools



NO.0246
M11-N14 SEAL UP



NO.0247
Cummins HPI actuator tools



NO.0247A
Cummins HPI actuator tools



NO.0248
CUMMINS M11-N14 CRTP



NO.0249
CAT 311-323 ABCD 320D
barring tools



NO.0250
FOTON CUMMINS barring
tools (CR)



NO.0251
C7 C9 barring tools



NO.0252
Renault barring tools (CR)



NO.0257
komatsu tools



NO.0254
barring tools set



NO.0258
Hongyan Jieshi cranking
timing tool



NO.0253
injector grinding tools
110 & 120 series



NO.0255
CUMMINS ISXQ5X 3163021
Cam Timing Tool Kit



NO.0256
CAT actuation pump C7 C9
HEUP adaptor



NO.0259
Kubota ZEXEL pump head
rotor testing fixture



NO.0260
HEUI EUI Leaking testing
tools



NO.0261
VOLVO EUI 2-pin 4-pin
injector sealing test tools



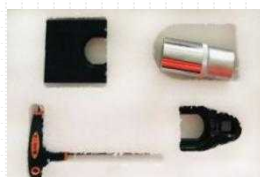
NO.0262
Scania Bosch EUI control
valve sealing test tools



NO.0263
CAT 3116E injector tools



NO.0264
Cummins Q5X15 tools



NO.0265

Cummins Q60 tools



NO.0266

Cummins QSK19 repair tools



NO.0266A

Cummins QSK19 repair tools



NO.0267

CAT 345E Injector tools



NO.0268

CAT C12 Injector tools



NO.0269

HEUP poppet valve core puller



NO.0270

CAT C7 C9 HEUP pump tools



NO.0271

PT pump disassemble tools



NO.0272

Injector nozzle nut tools



NO.0273

VW EUI Injector tools



NO.0274

HEUI sealing test tool



NO.0275

C13 injector grinding tools



NO.0276

E3 Injector grinding tools



NO.0277

Delphi EUP Disassembly and Assembly Tools



NO.0278

Deutz EUP tool

MECHANICAL PUMP TOOLS 机械泵工具



NO.903

P, P7, PW, PN PB, VE pump tools



NO.904

Tooth bar Travel Tester



NO.905

Tooth bar travel rulers



NO.906

Pre-Travel Gauge



NO.907

VE pump Piston Journey tester



NO.908

P type pump tools



NO.911

MW Maintainer Tools
(3pcs)



NO.912

BOSCH P3000, P7100.
M10x1



NO.913

For CHONGYOU pump.
Φ10.3



NO.914

Used on Long pump.
M14x1.5



NO.916
Used on Long pump.
M10x1



NO.917
For P type pump.
Φ12.3



NO.918
CHONGYOU pump.
M12x1.5



NO.919
For P type pump.
Φ11.5



NO.923
P7100, PW2000.
Φ11.7



NO.924
BOSCH P8000.
Φ11.7



NO.925
P8500 pump.
M12x1.5



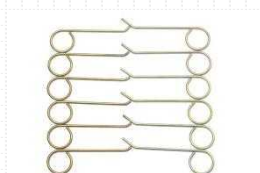
NO.926
WEIFU P2000.
Φ11.7



NO.927
For P type pump.
Φ10.3



NO.929
Bosch pump maintainer
(6pcs)



NO.930
Retainer tool for ZEXEL



NO.931
Retainer tool for ZEXEL



NO.932
PE Pump Depressor



NO.933
VE Pump Elements



NO.934
AO VEI Tool



NO.936
Five-flowers Wrench



NO.939
Disassemble Flyweight Tool



NO.940
Tear-open advancer
jackscrew



NO.941
6112 4112 LAMA



NO.943
Slide bars puller for
disassemble injectors



NO.944
STEYR SLEEVE



NO.945
P7100 PW2000
Big stopper



NO.946
P7100 PW2000
small stopper



NO.947
JETTA tool
(inner triangle wrench)



NO.948
Pump Scratcher



NO.950
P type pump clip tool



NO.951
Caterpillar tool Injection tool



NO.952
Caterpillar-Tool



NO.954
5M pump Socket Tools



NO.958
PLUNGER CLIP



NO.959

P-type plunger retainer
clamp



NO.960

For dismounting of different
types of injectors



NO.961

Flanges for mechanical pumps



NO.962

Blocks for mechanical pumps



NO.963

Kamaz pump stand



NO.964

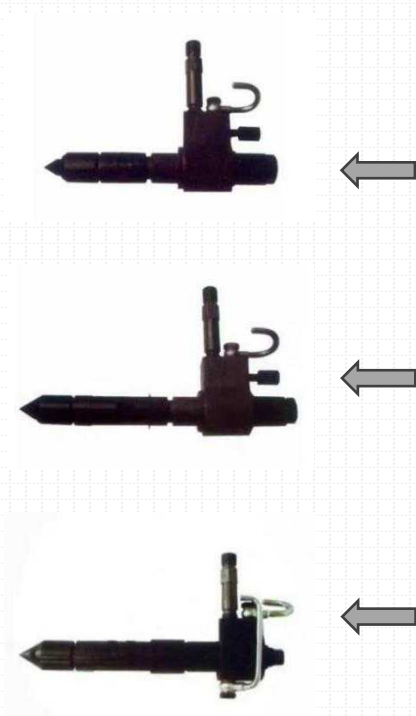
Universal joint for test bench



NO.965

Flyweight nut disassembly tool
A type pump & P7100/2000

ISO STANDARD INJECTOR 标准喷油器 (标喷)



Name	ISO Standard	Bosch Code	Diameter (mm)
Pintle Type	ISO7440 A14-17.2	0 681 343 009	
	ISO7440 A14-14.7	1 688 901 000	
Hole Type	ISO7440 A44-20.7	1 688 901 015	Ø0.4
	ISO7440 A54-20.7	1 688 901 016	Ø0.5
	ISO7440 A64-20.7	1 688 901 017	Ø0.6
	ISO7440 A74-20.7	1 688 901 018	Ø0.7
	ISO7440 A84-20.7	1 688 901 019	Ø0.8
	ISO7440 A64-17.2	1 688 901 020	Ø0.6
	ISO7440 B64-20.7	1 688 901 101	Ø0.6
Low-Inertia Hole Type	ISO7440 B64-25.0	1 688 901 102	Ø0.6
	ISO7440 B74-20.7	1 688 901 103	Ø0.7
	ISO7440 B74-25.0	1 688 901 104	Ø0.7
	ISO7440 B84-20.7	1 688 901 105	Ø0.8
	ISO7440 B84-25.0	1 688 901 106	Ø0.8
	ISO7440 B54-20.7	1 688 901 109	Ø0.5
	ISO7440 B54-25.0	1 688 901 110	Ø0.5

BOSCH COMMON RAIL INJECTOR ASSEMBLY

博世共轨喷油器总成



110 SERIES:

0 445 110 141	0 445 110 531	0 445 110 364	0 445 110 853	0 445 110 694	0 445 110 412	0 445 110 752	0 445 110 782
0 445 110 189	0 445 110 691	0 445 110 365	0 445 110 854	0 445 110 465	0 445 110 529	0 445 110 696	0 445 110 786
0 445 110 190	0 445 110 690	0 445 110 521	0 445 110 454	0 445 110 466	0 445 110 528	0 445 110 355	0 445 110 787
0 445 110 181	0 445 110 293	0 445 110 305	0 445 110 537	0 445 110 717	0 445 110 966	0 445 110 509	0 445 110 791
0 445 110 182	0 445 110 407	0 445 110 805	0 445 110 628	0 445 110 718	0 445 110 965	0 445 110 355	0 445 110 792
0986435055	0 445 110 719	0 445 110 804	0 445 110 629	0 445 110 794	0 445 110 445	0 445 110 509	0 445 110 798
0 445 110 376	0 445 110 380	0 445 110 626	0 445 110 538	0 445 110 710	0 445 110 446	0 445 110 623	0 445 110 799
0 445 110 594	0 445 110 462	0 445 110 627	0 445 110 539	0 445 110 335	0 445 110 313	0 445 110 541	0 445 110 861
0 445 110 808	0 445 110 481	0 445 110 630	0 445 110 632	0 445 110 512	0 445 110 345	0 445 110 821	0 445 110 862
0 445 110 515	0 445 110 443	0 445 110 631	0 445 110 633	0 445 110 343	0 445 110 516	0 445 110 891	0 445 110 824
0 445 110 825	0 445 110 526	0 445 110 363	0 445 110 482	0 445 110 647	0 445 110 511	0 445 110 163	0 445 110 527
0 445 110 449	0 445 110 756	0 445 110 486	0 445 110 603	0 445 110 688	0 445 110 715	0 986 435 109	0 445 110 677
0 445 110 549	0 445 110 757	0 445 110 249	0 445 110 660	0 445 110 689	0 445 110 351	0 445 110 231	0 445 110 317
0 445 110 796	0 445 110 766	0 445 110 250	0 445 110 687	0 445 110 369	0 445 110 398	0 445 110 081	0 445 110 646

120 SERIES:

0 445 120 007	0 445 120 127	0 445 120 277	0 445 120 078	0 445 120 393	0 445 120 045	0 445 120 218	0 445 120 030
0 445 120 217	0 445 120 059	0 445 120 231	0 445 120 236	0 445 120 066	0 445 120 067	0 445 120 074	0 445 120 086
0 445 120 221	0 445 120 129	0 445 120 200	0 445 120 223	0 986 AD1 011	0 445 120 244	0 445 120 265	0 445 120 266
0 445 120 391	0 445 120 106	0 445 120 310	0 445 120 212	0 445 120 121	0 445 120 122	0 445 120 123	0 445 120 289
0 445 120 367	0 445 120 134	0 445 120 489	0 445 120 149	0 445 120 169	0 445 120 213	0 445 120 214	0 445 120 224
0 445 120 153	0 445 120 178	0 445 120 215	0 445 120 394	0 445 120 294	0 445 120 321	0 445 120 357	0 445 120 368
0 445 120 415	0 445 120 126	0 445 120 304	0 445 120 343	0 445 120 238	0 445 120 397	0 445 120 161	0 445 120 204
0 445 120 008	0 445 120 027	0 445 120 042	0 445 120 082	0 445 120 461	0 445 120 529	0 445 120 186	0 445 120 219
0 445 120 275	0 445 120 142	0 445 120 193	0 445 120 384	0 445 120 377	0 445 120 347	0 445 120 348	0 445 120 516
0 445 120 517							

DENSO COMMON RAIL INJECTOR ASSEMBLY

电装共轨喷油器总成



23670-0L020	23670-30370	23670-0L050	095000-829#	095000-8220	095000-856#	095000-592#	23670-30050
095000-5880	095000-5881	095000-5660	23670-30300	095000-7760	095000-7761	095000-7751	095000-7750
23670-39276	23670-0L010	23670-0L070	23670-30240	23670-09360	095000-874#	095000-593#	095000-738#
23670-0L090	294050-0521	23670-09350	23670-30400	295050-0460	23670-39365	095000-778X	23670-30280
23670-39185	23670-39215	23670-39315	23670-39310	23670-30140	23670-30220	23670-09070	23670-0L110
23670-30420	23670-09380	295050-054#	295050-074#	295050-081#	095000-5550	095000-8310	095000-5600
1465A041	095000-6363	095000-6364	095000-6366	(8-97609788-3)	095000-956x	1465A257	095000-749#
1465A297	095000-811#	095000-576#	1465A054	1465A307	095000-5471	095000-5470	095000-5473
095000-5474	095000-8900	095000-8901	095000-8902	095000-6373	095000-8903	095000-0660	(8-98284393-0)
095000-6353	095000-6350	095000-6352	095000-6593	095000-6590	095000-6591	095000-6592	095000-6594
095000-6480	095000-6481	095000-6482	RE529149	RE546776	RE528407	095000-6491	095000-6490
095000-6492	RE529118	095000-6310	095000-6311	RE530362	095000-534X	8-97602485-6	095000-1211
095000-1210	095000-6070	095000-6640	6251-11-3200	9709500-751x	095000-9690	095000-5800	095000-5801
095000-7060	6C1Q-9K546-BC	095000-8940	RE543266	095000-5050	RE507860	23670-30310	23670-30080
23670-30290	23670-30190	23670-30196	295050-0100	095000-8060	095000-9770	23670-51040	095000-7711
095000-9780	23670-51030	23670-0L100	295050-0190	295050-0530	23670-30410	295050-0470	095000-5007
095000-5650	16600-EB30E	095000-625X	16600-EB70D	RE530361	095000-632#	295050-1520	8-98243863-0
095000-6244	16600-VM00A	095000-0896	1465A367	095000-8340	8-97435030-0	8-98106693-1	095000-698#
095000-6290	095000-5226	095000-5220	095000-5221	23670-E0341	095000-6120	095000-6140	095000-6280
095000-647#	RE529151	095000-6993	295050-1170	095000-5511	8-97603415-8	095000-5512	095000-5517
8-97603415-8	095000-5513	095000-5230	295050-1050	16600-5X30A	RE520333	095000-548#	DZ100216
RE529117	095000-6500	RE524361	095000-5150	095000-7560	DZ100218	RE532216	095000-8810
RE524362	095000-5160	RE524364	095000-519#				

BOSCH COMMON RAIL INJECTOR NOZZLE

博世共轨喷油器喷油嘴



DSLA 146 P1398+	DSLA 154 P1129	DLLA 150 P1076	DLLA 147 P1702	DLLA 152 P1768	DLLA 150 P1511	DLLA 160 P1063+	DSLA 145 P868+
DSLA 146 P1409+	DLLA 153 P1270+	DSLA 143 P970	DLLA 145 P1720	DSLA 140 P1723+	DLLA 146 P1725	DSLA 140 P862+	DLLA 150 P1566
DLLA 144 P1539	DLLA 156 P1107+	DLLA146P1339++	DLLA 153 P1721	DSLA 128 P5510	DLLA 145 P978	DLLA 156 P1114	DLLA 82 P1773
DLLA 142 P1709	DSLA 142 P795	DLLA 144 P1565	DLLA 152 P1819	DLLA 142 P1595	DLLA 149 P1724	DLLA 150 P1512	DLLA 150 P1008
DLLA 144 P1707	DSLA 124 P1659	DLLA 146 P1581	DSLA 153 P1376	DSLA 143 P5499	DSLA 152 P1603	DLLA 144 P2273	DLLA 149 P1813
DSLA 145 P1109	DSLA156P1079+	DLLA 150 P1622	DLLA 146 P1406	DLLA148P1524++	DLLA 145 P926+	DLLA 153 P1609	DLLA 151 P2240
DLLA 150 P1011	DSLA 156 P736	DLLA 145 P1655	DLLA 150 P1197	DLLA 154 P1538+	DSLA 124 P5500	DSLA 144 P1295	DLLA 152 P1269
DSLA 124 P1309	DSLA 154 P1320	DLLA 150 P1666	DSLA 128 P1510	DLLA 150 P2123+	DLLA 142 P1654	DLLA 156 P1367	DLLA 143 P1414
DSLA 142 P988	DSLA 158 P974+	DLLA 148 P1688	DLLA 118 P1357	DLLA 153 P1608	DLLA 82 P1668	DLLA 150 P1803	DSLA 156 P1472
DSLA 150 P1043	DSLA 142 P1025	DLLA 152 P1690	DLLA 146 P1405	DLLA 143 P1536	DLLA 155 P1674	DLLA 135 P1747	DLLA 153 P1450
DLLA 150 P1606	DLLA 144 P1417	DSLA 150 P855	DLLA 155 P822	DSLA 150 P1248	DSLA 156 P1155+	DSLA 146 P1675	DLLA 145 P1386
DLLA 156 P1368	DLLA 148 P1334	DSLA 150 P1045	DSLA 150 P1072	DSLA 150 P783	DLLA 142 P1333	DLLA 155 P1514	DLLA 128 P1635
DLLA 118 P1697	DLLA 148 P1347	DSLA 150 P1499	DLLA 155 P1493	DSLA 145 P1091+	DSLA 156 P1113+	DLLA 156 P1419	DLLA 157 P964
DSLA 150 P800	DSLA 150 P1156	DLLA 148 P1623	DLLA 146 P1652	DLLA 150 P1373	DLLA 140 P1051	DLLA 139 P1497	DLLA 150 P1817
DLLA 146 P1296+	DSLA 144 P971+	DLLA 150 P1011	DLLA 148 P1726	DLLA 148 P1238	DSLA 156 P1381	DLLA 145 P928+	DLLA 148 P1815+
DSLA 136 P804	DSLA 145 P864+	DLLA 118 P2203	DLLA 157 P1425	DLLA 156 P1473	DLLA 160 P1415	DLLA 156 P889	DLLA 143 P1696
DSLA152P1287++	DLLA 138 P2246	DLLA 150 P848	DSLA 140 P1033	DSLA 140 P1061+	DSLA 156 P1412+	DLLA 146 P1610	DLLA 149 P2166
DLLA 142 P1363	DLLA 150 P2339	DSLA 143 P5501	DSLA 143 P5519	DLLA 145 P1223	DLLA 145 P1714	DLLA 151 P1748	DLLA 137 P1577
DSLA 150 P1247	DLLA 152 P2137	DSLA 142 P1474	DSLA 143 P5517	DSLA 145 P1115+	DSLA 142 P1519	DSLA 145 P979	DLLA 145 P2397
DSLA 156 P737	DSLA 148 P1468	DLLA 150 P1224	DSLA 124 P5516	DSLA 153 P1242	DLLA 150 P1244	DLLA 148 P1312	DLLA 141 P2146
DLLA 153 P2546	DLLA 150 P1826	DLLA 150 P2125	DLLA 149 P1562	DLLA 138 P1533	DLLA 146 P1823	DLLA 150 P847	DLLA 145 P2168
DSLA 143 P5540	DLLA 150 P1712	DLLA 151 P1656	DLLA 150 P1437	DLLA 142 P2262	DLLA 144 P1050	DLLA 158 P1385	DLLA 149 P1787
DLLA 152 P1681	DLLA 148 P1671	DLLA 150 P2272	DLLA 118 P1691	DLLA 143 P1404	DLLA 148 P1660	DSLA 150 P1491	DLLA 147 P2474
DSLA 154 P1034	DLLA 150 P1781	DLLA 150 P1828	DLLA 156 P1111	DLLA 147 P1814	DLLA 139 P2229	DLLA 152 P1661+	DSLA 143 P1058
DLLA 148 P2221	DLLA 150 P2299	DLLA 154 P1418	DLLA 154 P1795	DSLA 144 P890	DLLA 150 P2147	DLLA 150 P1734	DLLA 145 P2154
DLLA 151 P2128	DLLA 152 P2217	DLLA 150 P2219	DLLA 148 P1067C	DLLA 150 P1564	DLLA 150 P1557	DLLA 150 P2142	DLLA 150 P1808
DLLA 148 P2369	DLLA 153 P2210	DLLA 150 P1827+	DLLA 149 P1515	DLLA 149 P1471	DLLA 148 P2222	DLLA 150 P2259	DLLA 150 P2186
DLLA 150 P2386	DLLA 151 P2182	DLLA 153 P2189	DLLA 143 P1619	DLLA 140 P1790	DLLA 150 P2197	DLLA 150 P2432	DLLA 150 P1695

DENSO COMMON RAIL INJECTOR NOZZLE

电装共轨喷油器喷油嘴



DLLA 145 P864	DLLA 148 P800	DLLA 158 P834	DLLA 152 P865	DLLA 127 P945	DLLA 155 P1116	G3S41	G3S43
DLLA 142 P852	DLLA 148 P765	DLLA 147 P762	DLLA 152 P1077	DLLA 125 P889	DLLA 147 P752	G3S77	G3S18
DLLA 147 P788	DLLA 145 P870	DLLA 152 P862	DLLA 155 P964	DLLA 150 P1080	DLLA 148 P816	G3S37	G3S72
DLLA 150 P866	DLLA 155 P970	DLLA 158 P984	DLLA 145 P1091	DLLA 142 P793	DLLA 147 P747	G3S29	G3S19
DLLA 148 P872	DLLA 158 P844	DLLA 155 P848	DLLA 155 P1030	DLLA 158 P1133	G3S33	G3S54	G3S56
DLLA 152 P879	DLLA 153 P958	DLLA 155 P965	DLLA 148 P932	DLLA 152 P825	G3S6	G3S127	G3S103
DLLA 157 P715	DLLA 155 P1062	DLLA 150 P927	DLLA 127 P944	DLLA 150 P1085	G3S53	G3S93	G3S2
DLLA 155 P863	DLLA 145 P875	DLLA 150 P1052	DLLA 152 P917	DLLA 152 P1115	G3S7	G3S112	G3S16
DLLA 155 P842	DLLA 145 P1024	DLLA 148 P915	DLLA 155 P753	DLLA 156 P910	G3S79	G3S130	G3S23
DLLA 150 P835	DLLA 158 P1096	DLLA 155 P1090	DLLA 152 P929	DLLA 149 P786	G3S5	G3S74	G3S9
DLLA 152 P947	DLLA 152 P1072	DLLA 145 P1049	DLLA 155 P767	DLLA 152 P798	G3S51	G3S21	G3S92
DLLA 152 P981	DLLA 155 P960	DLLA 152 P989	DLLA 155 P856	DLLA 157 P969	G3S120	G3S56	G3S84
DLLA 153 P884	DLLA 154 P881	DLLA 152 P1097	DLLA 150 P725	DLLA 152 P1058	G3S48	G3S42	G4S009
DLLA 155 P985	DLLA 155 P1044	DLLA 145 P748	DLLA 155 P1025	DLLA 152 P1060	G3S46	G3S22	G4S008
DLLA 155 P880	DLLA 156 P799	DLLA 152 P980	DLLA150P815++	DLLA 144 P690	G3S32	G3S12	G4S011
DLLA 155 P871	DLLA 155 P948	DLLA 152 P959	DLLA 155 P971	DLLA 149 P703	G3S10	G3S73	G4S012
DLLA 148 P824	DLLA 158 P854	DLLA 158 P909	DLLA 150 P1026	DLLA 144 P720	G3S91	G3S82	G4S021
DLLA 153 P885	DLLA 155 P683	DLLA 148 P817	DLLA 155 P941	DLLA 139 P887	G3S102	G3S358	G4S039
DLLA 155 P876	DLLA 157 P855	DLLA 155 P840	DLLA138P919	DLLA 145 P1031	G3S45	G3S60	G4S054
DLLA 147 P962	DLLA 150 P991	DLLA 158 P1092	DLLA 156 P905	DLLA 155 P818	G3S52	G3S17	G4S090

DELPHI INJECTOR NOZZLE

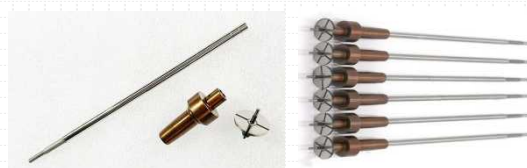
德尔福喷油器喷嘴



L021PBC	L187PBC	L217PBC	L242PBC	L420PBC	L136PBD	L244	E375	H430	G467
L025PBC	L188PBC	L218PBC	L263PBC	L492PBJ	L137PBD	L252PRD	E384	H537	G488
L026PBC	L193PBC	L219PBC	L287PBC	L500PBC	L138PRD	L281PBD	E395	J341	G523
L028PBC	L194PBC	L221PBC	L311PBC	L078	L145PBD	L286PBD	E406	J379	
L042PBC	L195PBC	L222PBC	L321PBC	L087PBD	L146PBD	L342PRD	E429	J441	
L045PBC	L196PBC	L223PBC	L322PBC	L096PBD	L157PBD	L381	E434	J463	
L048PBC	L210PBC	L229PBC	L332PBC	L097PBD	L163PBD	L403PRD	H364	J481	
L051PBC	L211PBC	L232PBC	L357PBC	L120PBD	L184PRD	L456	H365	J506	
L053PBC	L215PBC	L233PBC	L358PBC	L121PBD	L199	E347	H363	J546	
L160PBC	L216PBC	L240PBC	L271PBJ	L135PRD	L243	E374	H421	F453	

BOSCH CONTROL VALVE ASSEMBLY

博世共轨喷油器阀组件



VALVE NO.	FOR INJECTOR:	VALVE NO.	FOR INJECTOR:	VALVE NO.	FOR INJECTOR:
F 00V C01 543	0 445 110 768	F 00V C01 503	0 445 110 617/616	F 00V C01 542	0 445 110 738/737
F 00V C01 200	0 445 110 351	F 00V C01 508		F 00V C01 505	0 445 110 430
F 00V C01 201	0 445 110 418	F 00V C01 518		F 00V C01 520	
F 00V C01 202	0 445 110 419	F 00V C01 523		F 00V C01 514	0 445 110 546
F 00V C45 204	0 445 110 520	F 00V C45 205	0 445 110 614/618	F 00V C01 529	
F 00V C01 502	0 445 110 646/647/688/689/369	F 00V C01 509	0 445 110 485	F 00V C01 507	0 445 110 476
F 00V C01 517		F 00V C01 506	0 445 110 491/490/795/433/857	F 00V C01 522	
F 00V C01 504	0 445 110 522/598	F 00V C01 521			

BOSCH CONTROL VALVE ASSEMBLY

博世共轨喷油器阀组件



F00R J01 159	F00R J00 375	F00V C01 005	F00V C01 362	F00Z C01 365	F00R J01 714	F00V C01 332	F00Z C01 323
F00R J01 218	F00R J00 399	F00V C01 011	F00V C01 363	F00Z C01 369	F00R J01 747	F00V C01 333	F00V C01 502
F00R J01 278	F00R J00 420	F00V C01 015	F00V C01 364	F00V C01 001	F00R J01 819	F00V C01 340	F00V C01 503
F00R J01 451	F00R J00 447	F00V C01 016	F00V C01 365	F00V C01 007	F00R J02 004	F00V C01 345	F00V C01 504
F00R J01 479	F00R J00 834	F00V C01 052	F00V C01 367	F00V C01 024	F00R J02 012	F00V C01 349	F00V C01 505
F00R J01 522	F00R J00 995	F00V C01 356	F00V C01 368	F00V C01 045	F00R J02 044	F00V C01 361	F00V C01 508
F00R J01 533	F00R J01 005	F00V C01 013	F00V C01 371	F00V C01 051	F00R J02 377	F00V C01 370	F00V C01 513
F00R J01 657	F00R J01 052	F00V C01 318	F00V C01 372	F00V C01 054	F00R J02 410	F00V C01 301	F00V C01 517
F00R J01 683	F00R J01 129	F00V C01 331	F00V C01 376	F00V C01 022	F00R J02 429	F00V C01 303	F00V C01 518
F00R J01 692	F00R J01 176	F00V C01 334	F00V C01 377	F00V C01 023	F00R J02 449	F00V C01 305	F00V C01 519
F00R J01 704	F00R J01 222	F00V C01 336	F00V C01 378	F00V C01 033	F00R J02 506	F00V C01 306	F00V C01 520
F00R J01 727	F00R J01 334	F00V C01 338	F00V C01 379	F00V C01 034	F00R J02 714	F00V C01 309	F00V C01 523
F00R J01 865	F00R J01 428	F00V C01 341	F00V C01 380	F00V C01 035	F00R J03 556	F00V C01 310	F00V C01 528
F00R J01 924	F00R J01 895	F00V C01 342	F00V C01 383	F00V C01 036	F00R J04 527	F00V C01 320	F00V C01 542
F00R J02 035	F00R J01 941	F00V C01 344	F00V C01 384	F00V C01 037	F00R J04 542	F00V C01 321	F00V C01 543
F00R J02 056	F00R J01 945	F00V C01 346	F00V C01 386	F00V C01 038	F00V C01 311	F00R J02 246	F00V C45 200
F00R J02 103	F00R J02 005	F00V C01 347	F00Z C01 302	F00V C01 042	F00V C01 312	F00R J02 386	F00V C45 204
F00R J02 175	F00R J02 067	F00V C01 348	F00Z C01 305	F00V C01 043	F00V C01 313	F00V C01 336	F00V C45 205
F00R J02 235	F00R J02 130	F00V C01 352	F00Z C01 307	F00V C01 044	F00V C01 315	F00V C01 350	F00V C45 206
F00R J02 466	F00R J02 213	F00V C01 353	F00Z C01 315	F00V C01 046	F00V C01 317	F00Z C01 355	F00V C01 200
F00R J02 472	F00R J02 266	F00V C01 354	F00Z C01 317	F00V C01 050	F00V C01 318	F00Z C01 361	F00V C01 201
F00R J02 561	F00R J02 278	F00V C01 355	F00Z C01 318	F00V C01 053	F00V C01 323	F00Z C01 363	F00V C01 202
F00R J02 806	F00R J02 397	F00V C01 357	F00Z C01 338	F00V C01 055	F00V C01 324	F00Z C01 376	F00V C03 611
F00R J00 005	F00R J02 454	F00V C01 358	F00Z C01 310	F00V C01 057	F00V C01 325	F00Z C01 382	F00V C01 613
F00R J00 218	F00V C01 003	F00V C01 359	F00Z C01 312	F00V C01 384	F00V C01 328	F00V C01 306	
F00R J00 339	F00V C01 004	F00V C01 360	F00Z C01 330	F00R J01 329	F00V C01 329	F00Z C01 319	

BOSCH INJECTOR VALVE CAP 博世喷油器阀帽



R158	T316	T056	T334
R831	T043	T035	T332
P1940	T048	T528	T606/T611/T613/T614/T625
T010	T008	R1157	T508/T518/T528

BOSCH PIEZO INJECTOR CONTROL VALVE

博世压电控制阀



F00GX17004



F00GX17005

NO.	FOR INJECTOR:
1#	All models in 115 series 0445116043

NO.	FOR INJECTOR:
2#	0445116001 0445116009 0445116023 0445116030 0445116053

NO.	FOR INJECTOR:
3#	All models in 117 series 0445116006 0445116017 0445116018 0445116024 0445116059 0445116034 0445116035 986435370

DENSO VALVE PLATE

电装共轨喷油器阀板



VALVE NO.	FOR INJECTOR:
02#	095000-5212/5215/5226/5512/5513/5391/6231/6912/7281/7649 295040-6230
04# (PMC4/36/AMC3/08/28)	095000-5030/5053/5220/5550/5600/5760/5950/6311/6490/6590/6720/6730/6950/7850/7893/6480
06# (TIZ4/517)	095000-5030 095000-8480/5470/5510/6650/6510/6551/23670-51030/51031/51040/51041 295050/0800
07#	095000-1440/6510/6511/8290 23670-0L010/30300/30080
10#	095000-5125/5214/5271/5960/5963/5971/5972/5284/5653/5780/6250 095000-6350/6351/6352/6353/6593/6583/6971/7172/6360/6364/6890 095000-5230/5341/5342/5344/5470/5471/5472/5473/5474/5475/5476
19#	095000-5480/5481/5501/5502/5511/5931/6363/6364/6111/6300 095000-8740/8901/8902/8903/6363/6900/8900/5600/5619/5650/5690 095000-5931/6931/7257/7611 295000-0641
29# (34)	095000-5511 095000-5459
31#	095000-6222/6223/6693/6691/6700/6701 095000-8010/8011/8100
501#	/23670-30190095000-0231
509# (JRC3)	G3 喷油器
VP12# (WPC4/VPA4)	095000-5650/6800
SF03 (BGC2/UFC5)	23670-30420/0L090 1465A439/09B 07146 UFC5 / 0760 09B 57917 505/
BF23 (SFP6)	095000-5801/5800 6Q10C
21#	13H50
507# (32/505)	
KMA4/LMB5 (04)	095000-6720/6730
DPB3 (VP12)	095000-6800
ORB5	1465A367/03R 02565
504#	8-98238318-1
G4 (toyota)	23670-0E010/0E020 295040-9440
G4 (Hyundai)	33800-4A950
US54 (33#)	
5# (big valve)	BF11X11E-058250/11E-505757/D56204M0104/23670-30010/30020/30030/27030 095000-0570/094#095#077#063#

DENSO VALVE ROD

电装阀杆



Model	Size	Outside Diameter	Model	Size	Outside Diameter	Model	Size	Outside Diameter
095000-0541	71.25mm	4.3mm	095000-5600	118.40mm	4.3mm	095000-8100	90.40mm	4.3mm
095000-1089	61.30mm	7.3mm	095000-5635	56.35mm	4.3mm	1217	88.57mm	5.0mm
095000-1211	87.30mm	5.0mm	095000-5941	76.90mm	4.3mm	8322	83.22mm	3.8mm
095000-1212	66.50mm	5.0mm	095000-6070	93.50mm	4.3mm	6640	66.40mm	3.8mm
095000-1213	60.64mm	5.0mm	095000-6120	66.53mm	4.3mm	7772	77.72mm	3.8mm
095000-1214	79.33mm	5.0mm	095000-6126	61.26mm	3.8mm	1020	49.00mm	3.8mm
095000-1215/1216	78.00mm	5.0mm	095000-6471	66.70mm	4.3mm	23670-51030	124.43mm	
095000-1654	57.30mm	4.3mm	095000-6500	65.00mm	4.3mm	9K546-AC	125.65mm	
095000-5212/5424	67.30mm	4.3mm	095000-6591	63.50mm	4.3mm	23670-0L010	117.40mm	3.8mm
095000-5230	79.2mm	4.3mm	095000-6700	77.50mm	4.3mm	Export01	117.70mm	4.3mm
095000-5471	52.70mm	4.3mm	095000-6790	113.00mm	4.3mm	Export02	125.85mm	4.3mm
095000-5480	92.70mm	4.3mm	095000-6845	68.45mm	4.3mm	Export03	117.40mm	3.8mm
095000-5511	85.00mm	4.3mm	095000-7100	71.00mm	4.3mm	Export04	109.60mm	4.3mm
095000-5511A	84.95mm	4.3mm	095000-7210	72.10mm	4.3mm			

DELPHI INJECTOR 622B SERIES CONTROL VALVE

德尔福喷油器 622B 系列控制阀

28239295	28687151
28278897	9308Z622B



DELPHI INJECTOR 621C SERIES CONTROL VALVE

德尔福喷油器 621C 系列控制阀

28239294	28538389	9308-618C
28440421	9308Z621C	



DELPHI INJECTOR 625C SERIES CONTROL VALVE

德尔福喷油器 625C 系列控制阀



SINGLE GROOVE 单槽:

VALVE NO.	FOR INJECTOR:	VALVE NO.	FOR INJECTOR:	VALVE NO.	FOR INJECTOR:
28392662	28342997/28348371/28231014/R00001D	9308Z684A		28297165	28239766/28264951/28489548
28277576	28264951	9308Z684B		28626162	
28264094	28230891	28405789		28626161	28271551/28236381/28348370/R00301D
28525582	28229873/33800-4A710/28264952/28489562	28602946	28319898/28602949	28285411	28320793
28256383	28231014	28284216		28460145	
28400213	28400214/28534718	28305328	28347042	28270604	28292089
9308Z625C	R001101D	28277709	28231462	28489062	
28362727	28319895	28297167	28235143/R00201D/R00202D/R00203D	28470464	
28346624	R00301D	28382457	28337917/28320793/28387256	28277323	28234058
28265514		28390393	28229876/28379457	28390388	28317158
28439531	28236381/33800-4A700	28602945	28319895/28388960/28602948	28579421	
28363112	28270450	28533059			

THREE GROOVE 三槽:

VALVE NO.	FOR INJECTOR:	VALVE NO.	FOR INJECTOR:	VALVE NO.	FOR INJECTOR:
28397897	28559935/28397569	28327815	28424049/28565335	28653428 (replace)	
28631942	28568522	28535923	28490086	28645902 (replace)	
28430285	28437695/28651415	28615824	28272472/28548932/28307309	28371339	28332705
28352972		28468551	28424049	28387608	28606815a
28651416	28437695/28651415	28373983	28384645	28387804	28387604
28343134	28307309	28650353		28591272	
28577599	28284645	28626160	28308779	28626282	28599713/28621664/42014454
28394612	28370681/28565330	28606615		28648642/28603951	28570880/28651417
28475605	28475604/28565337/28654963	28605594		28604457	28386106
28475607					

INJECTOR SOLENOID VALVE

喷油器电磁阀



The following are commonly used Bosch common rail injector solenoid valve models

F00VC30318	F00VC30319	F00RJ02701	F00RJ02702	F00RJ02703
F00RJ02704	F00RJ02705	F00RJ02697	F00RJ00395	F00VC30058
F00VC30057	F00VC30054	F00VC30400		

For Denso injector solenoid valve, please consult us with the injector model number.

SUCTION CONTROL VALVE (SCV)

FOR DENSO PUMP 电装泵 SCV 阀



294200-0160	294200-0170	294200-9752	294009-0741	8-98145453-0	096360-0580
294200-0380	294200-0390	294200-0230	294009-0260	8-98181831-0	096710-0120
294200-0660	294200-4960	294200-4850	294009-0120	8-98043687-0	096710-0052
294200-0670	294200-0370	294200-3660	294009-1221	8-98145455-1	096710-0130
294200-0040	294200-2750	294200-3640	294009-0860	A6860-VM09A	096710-0062
294200-0120	294200-4970	294200-0301	04226-0L010	A6860-AW42B	RE531864
294200-4750	294200-4760	294200-3670	04226-0L020	A6860-AW420	1920.QK
294009-0251	294200-0860	294200-0460	04226-0L030	1460A062	6C1Q 9358AB
294200-0251	294200-0611	294200-0650	04226-30020	1460A056T	LR009837
294200-0041	294200-0300	294200-2760	04226-E0061	1460A031	1514885
294200-0190	294200-2850	294200-0360	96655-23380	1460A037	55582723

**METERING VALVE
FOR BOSCH**

博世计量阀



0 928 400 728
0 928 400 802
0 928 400 617
0 928 400 627
0 928 400 818

**METERING VALVE
FOR DELPHI**

德尔福计量阀



93072509B
93072523B
28233377
28233374

DIESEL REGULATING VALVE (DRV)

FOR BOSCH PUMP 博世泵 DRV 阀



0 281 006 246



0 281 002 507



0 281 006 015

PRESSURE LIMIT VALVE 限压阀/安全阀


095420-0280



1110010015



095420-0260



F00R000756 ...

RAIL PRESSURE SENSOR 轨压传感器


0281006425/0281002937



0 281 006 364



85PP40-02



499000-6160



0 281 002 788

.....

INJECTOR SHIMS 喷油器垫片

型号(Model)		等级 Spec(mm)	适配型号 (部分型号) Applicable injectors(partial)
B11 Ø19/S22 BOSCH		0.900-1.500 0.01mm/档 共61档 套装共610片	0445-120-002/008/007/018/032/103/113/114/208/210/043/089/019/020/ 029/059/120/123/125/2310986-435-501/ 503/505/508/502/523...
B12 Ø18/S22 BOSCH		0.900-1.500 0.01mm/档 共61档 套装共610片	0445-120-002/008/007/018/032/103/113/114/208/210/043/089/019/020/ 029/059/120/123/125/2310986-435-501/ 503/505/508/502/523...
B13 Ø2.3/ Ø 4.2 BOSCH		1.200-1.960 0.02mm/档 共39档 套装共390片	0445-120-002/007/008/018/032/103/113/114/208/210/027/042/082/050/ 078/081/086/110/170/184/185/224/019/020/029/120/123/125/231/059 0986-435-501/503/505/508/502/504/520/521/518/523
B14 Ø3.4/ Ø 5.5 BOSCH		1.200-1.860 0.02mm/档 共34档 套装共340片	0445-120-002/007/008/018/032/103/113/114/208/210/043/089/027/042/082/ 050/078/081/086/110/170/184/185/224/019/020/029/059/120/123/125/231 ... 0445-110-068/119/070/105/106/107/108/181/190/266/083/183/231/291/002...
B15 BOSCH		8.300-8.700 0.01mm/档 共41档 套装共410片	0445110002/068/070 0445120018/032/103/113/114/019/020/008 0986 435 502
B16 Ø2.28 BOSCH		0.910-1.400 0.01mm/档 共50档 套装共500片	0445110105/106/107/108/181/190/266/119/083/183/231/291/078/102... 0445120027/042/082/059/123/231/029/125/050/078/081/086/110/170/184/ 185/224/208/210... 0986435504/520/521/022/518/...
B17 Ø2.3/ Ø4 BOSCH		1.200-1.900 0.02mm/档 共36档 套装共360片	0445 120 043/089...
B21 Ø3.5/ Ø6.8 DENSO		1.000-2.500 0.05mm/档 共31档 套装共310片	095000 5212/5226/5471/5511/6353/6593/6700/... 6791/8100/0570/0750/0145/0562/0761/0801/1211... 6140 07L 0127 9709500-890...
B22 Ø4.8/ Ø 7.7 BOSCH		0.980-1.440 0.02mm/档 共24档 套装共240片	0445120027/042/082/050/078/081/086/110/170/184/185/224/ ... 0986 435 504/520/521/518...
B23 Ø3.15/ Ø 5.75 DENSO		1.000-2.500 0.05mm/档 共31档 套装共310片	095000-5600/5650(16600 EB300/16600 Bn821) /5801/7030
B24 Ø1.7/ Ø 3.95 DENSO		1.000-1.500 0.02mm/档 共26档 套装共260片	0950005212/5226/5471/5511/6353/6593/6700/6791/8100/5600/5650 (16600 EB300/16600 BN821) /5801/7030 6140 07L 0127 9709500890
B25 Ø19/ Ø23.5 BOSCH		0.900-1.120 0.01mm/档 共23档 套装共230片	0445110002/068/119/070/105/106/107/108/181/190/266/ 083/183/231/291... 0986435001/083/022/078/102/045/047/053/055/158...
B26 Ø19.5/ Ø 23 BOSCH		1.340-1.760 0.01mm/档 共43档 套装共430片	0445120027/042/082/050/078/081/086/110/170/184/ 185/224/ ... 0986 435 504/520/521/518...
B27 Ø21.5/ Ø 24.3 DENSO		1.500-1.720 0.01mm/档 共23档 套装共230片	095000 5212/5226/5471/5511/6353/6593/6700/... 6791/8100/5600/5650(16600 EB300/16600 BN821)/5801/ 7030 6140 07L 0127 9709500-890
B31 Ø10.5/ Ø 15.7 DENSO		1.200-1.300 0.01mm/档 共11档 套装共110片	0445 110 002/068/119/266... 0986 435 001/083/022...
B37 2.7 BOSCH		1.155-1.265 0.01mm/档 共12档 套装共120片	0445110083/183/291...
B40 Ø2.5/Ø4.5 BOSCH		1.440-1.660 0.02mm/档 共12档 套装共120片	适用于BOSCH
B41 Ø2.5/Ø6.4 BOSCH		1.110-1.200 0.01mm/档 共10档 套装共100片	适用于BOSCH
B42 Ø3/ Ø 5.1 BOSCH		1.340-1.660 0.02mm/档 共17档 套装共170片	适用于BOSCH
B45 Ø22.4/ Ø 25 DENSO		3.900-4.130 0.01mm/档 共24档 套装共240片	095000-0145/0562/0761/0801/1211



BOSCH 110 SERIES
(500PCS)
B14, B25, B31, B37, B42



BOSCH 120 SERIES
(500PCS)
B26, B22, B14, B13, B16



CUMMINS SERIES
(500PCS)
B11, B12, B13, B14, B16



DENSO SERIES
(400PCS)
B21, B23, B24, B27



DENSO G4 SERIES
(500PCS)
B6, B7, B8, B9, B10



BOSCH DENSO SERIES
(555PCS)
B11, B12, B13, B14, B16,
B22, B25, B26, B27, B31



DELPHI SHIMS
(100PCS)
3.655~3.925



SIEMENS Shims
(100PCS)
0.940~0.990



CAT 320D
(50pcs)
Injector Solenoid Valve Gap
Spring Force Adjust Shims



CAT 320D
(50pcs)
Injector Air Gap Adjust Shims



CAT HEUI C7/C9/ C-9
(50pcs)
Solenoid Valve Spring Adjust
Shims



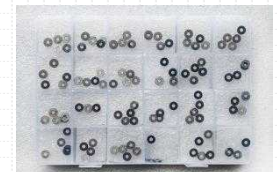
CAT HEUI C7/C9
(100pcs)
Solenoid Valve Adjusting
Shims



CAT HEUI C7/C9
(50pcs)
Nozzle Needle Valve Lift
Shims



CAT HEUI 3126B
(120pcs)
Control Valve Stroke Shims



**Volvo EUI spring
adjusting shim**
(120pcs)



**DENSO Injector nozzle
copper shims**



Nozzle Copper Shims
(1~3mm)
F00VC17502/F00VC17503/
F00VC17504/F00VC17505/
F00VC17506

INJECTOR & PUMP REPAIR KITS 喷油器修理包



F 00V C99 002(3pcs)
110/120 Repair kits



F00VC99002(4pcs)
110/120 Repair kits



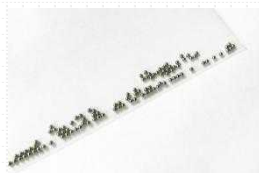
F 00R J02 177
Injector repair kits



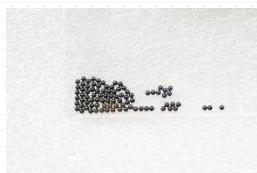
F 00V C21 002
110 Injector ball seat



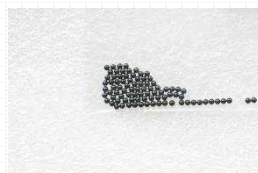
F 00V C21 001
120 Injector ball seat



F 00V C05 001
120 Injector steel ball



F 00V C05 008
120 Injector ceramic ball



F 00V C05 009
110 Injector ceramic ball



DENSO G3
Half ball



DENSO G4
Half ball



093152-0320
DENSO Injector filter



CR Injector nozzle nut



Bosch 110/120
common rail injector repair
kits



DENSO G2/G3
Common rail injector repair
kits



DENSO G4
Common rail injector repair
kits



SIEMENS
Piezo injector repair kits
(4pcs)



SIEMENS
Piezo injector repair kits
(2pcs)



CAT 235-4339 C7 C9
HEUI Injector repair kits



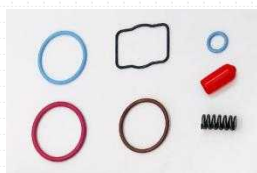
CAT 249-0713 C11 C13
EUI Injector repair kits



CAT C7 C9 C-9
HEUI Injector repair kits



CAT 3126B
HEUI Injector repair kits



CAT C11 C13 C15 C18
EUI Injector repair kits



CAT C9.3
Injector repair kits



CAT 3508/3512/3516
EUI Injector repair kits



DELPHI E1
EUI Injector repair kits



DELPHI E3
EUI Injector repair kits



DELPHI A0
EUI Injector repair kits



Cummins XPI
Injector repair kits



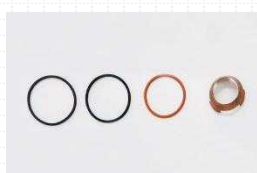
CUMMINS M11
EUI Injector repair kits



CUMMINS QSK60
Injector repair kits



CUMMINS X15
EUI Injector repair kits



CUMMINS PT
Injector repair kits



CUMMINS K19
Injector repair kits



Iveco 700
EUI Injector repair kits



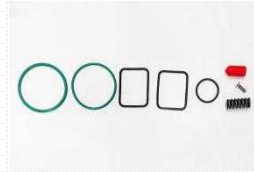
Bosch-Volvo 701/702
EUI Injector repair kits



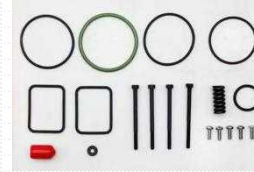
Bosch-Scania 701
EUI Injector repair kits



Bosch-Iveco 703
EUI Injector repair kits



Detroit N70
EUI Injector repair kits



Detroit 60
EUI Injector repair kits



DELPHI DAP
EUP repair kits



Bosch 750 Series
EUP repair kits



Bosch 755 Series
EUP repair kits



Bosch 799005
EUP repair kits



Bosch 799008
EUP repair kits



Bosch 693
EUP repair kits



Bosch 401
EUP repair kits



Bosch CP1
pump repair kits



Bosch CP2.2
pump repair kits



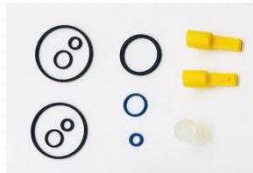
Bosch CP3
pump repair kits



BOSCH CP4-01
pump repair kits



BOSCH CP4-02
pump repair kits



BOSCH CP4-03
pump repair kits



DENSO HP0
pump repair kits



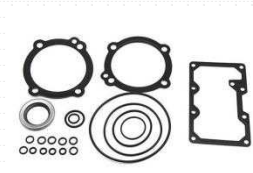
DENSO HP3
pump repair kits



DENSO HP4
pump repair kits



CAT C7/C9/C-9/336D
HEUP pump repair kits



CAT C7/C9/C-9/336D
HEUP pump repair kits



**CAT 320D/
C6.6/C6.4/C4.4**
pump repair kits



BOSCH VP44
pump repair kits



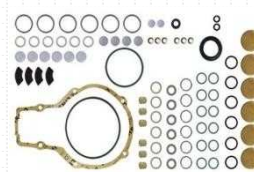
Delphi rotary pump
repair kits



P7100
pump repair kits



P8500
pump repair kits



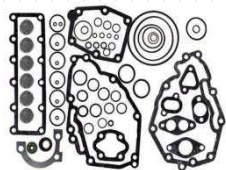
PW2000
pump repair kits



7135-70
pump repair kits



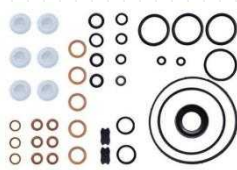
7135-110
pump repair kits



CAT3306
pump repair kits



800636
pump repair kits



800637
pump repair kits



2417010001
pump repair kits



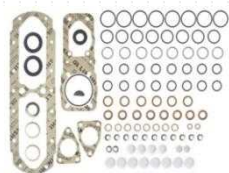
2417010002
pump repair kits



CUMMINS PT
pump repair kits



2417010022
pump repair kits



2417010003
pump repair kits



1417010002
pump repair kits



2417010004
pump repair kits

And so on.....

If you have any needs for spare parts or repair kits, please take OE number/model number to inquiry us!

CAT C12 C13 C15 C18 EUI INJECTOR PARTS 卡特 C12 C13 C15 C18 泵喷嘴配件



N301

C12 C13 C15 C18 Injector Assy



N302

Control valve



N303

Solenoid valve



N304

Nozzle

212-3464

10R-0725

CH12082

10R-1285

192-2817

250-1311 ...

CUMMINS M11/N14 INJECTOR PARTS 康明斯 M11/N14 泵喷嘴配件



N305

M11/N14 Injector Assy



N306

M11/N14
Control valve



N307

M11/N14
Metering plunger



N308

M11/N14
Solenoid valve



N309

M11/N14 Nozzle



N310

M11/N14
Solenoid valve
armature lift
adjustment shim

3075628

3411767

3411752

4026222

3411753

4061851

3411754

4902921

3411755

4903319

3411756

4903472

CAT C7/C9 C-9 INJECTOR PARTS 卡特 C7/C9 C-9 喷油器配件



N101

CAT C7 C9 Injector



N102

C7 C9 Solenoid valve



N103

C7 C9 Control valve



N104

C7 C9 Slide/spool valve



N105

C7 C9 Diesel valve

C7	C9
387-9427	387-9433
387-9428	387-9438
387-9429	254-4399
263-8218	387-9432
238-8091	254-4340
241-3239	236-0962
557-7627	...
328-2585	
328-2582	
10R-4762	
10R-4763	



N106

C7 Nozzle



N107

C9 Nozzle



N108

C7 C9 Nozzle nut



N109

C7 C9 Injector plunger



N110

C7 C9 Plunger spring



N111

Injector pressure spring



N112

C7 C9 Spacer



N113

C7 C9 Slide valve gasket



N114

CAT C-9 Injector



N115

C-9 Solenoid valve



N116

C-9 Control valve



N117

C-9 Slide valve



N118

C-9 Diesel valve

C-9
235-2888
236-0962
...



N119

C-9 Nozzle



N120

C-9 Spool valve plate



N121

Double seal piston



N122

C-9 Injector plunger

**NANTAI****NANTAI AUTOMOTIVE TECHNOLOGY CO.,LTD.****CAT C7/C9 HEUP ACTUATING PUMP PARTS 卡特 C7/C9 促动泵配件****N123****C7 C9 Pump Assy**

319-0677	319-0E75
319-0607	319-0678
319-0675	326-4635
384-0677	189-5184

**N124****Pressure Valve /Poppet Valve****N125****CAT C7 C9 Pump Pressure Relief Valve****N126****CAT M10 Check Valve****N127****CAT C7/C9 Pump Pin repair kit**

Diameter: 7.148-7.178mm

CAT C6.4/C6.6 320D PUMP PARTS 卡特 320D 喷油泵配件**N205****CAT 320D Pump Assy**

C6.4	326-4635
C6.4	295-9126
C6.6	317-8021

**N206****320D Pump solenoid valve assembly****N207****320D Pump solenoid valve****N208****320D Pump solenoid valve parts****N209****320D Pump plunger**

Diameter: 7.997-8.007mm

**N210****320D Pump delivery valve/ check valve****N211****320D pump delivery pump/ feed pump****N212****320D pump head rotor with solenoid valve assembly****N213****320D pump head rotor****N214****320D Pump sensor****CAT C6.4/C6.6 320D INJECTOR PARTS 卡特 320D 喷油器配件**

326-4700	2645A753
326-4756	321-3600
10R7575	320-3800
320-4740	10R7938
2645A746	2645A747
320-0677	320-0680
2645A749	2645A738
320-0690	2645A745
2645A751	...

**N201****CAT C6.4/C6.6 320D Injector Assy (326-4700) (Bosch structure)****N202****320D injector repair kits (Bosch structure)****N203****C6.4/C6.6 Valve F62 valve 32F61-00062 (CAT structure)****N204****C6.4/C6.6 Nozzle (CAT structure)**

SPARE PARTS



7135-486

DELPHI Control valve



7135-588

DELPHI Control valve



7135-588

DELPHI valve upper seat



7135-753

DELPHI Control valve



7135-754

DELPHI Control valve



7206-0379

DELPHI Control valve



7206-0379

DELPHI Control valve



7206-0435

DELPHI Control valve



7206-0440

DELPHI Control valve



7206-0460

DELPHI Control valve



7206-0936

DELPHI Control valve



Bosch CP3 gear feed
pump



BOSCH CP4
Delivery valve



095331-0020

DENSO HP0 pump valve



095331-0020

DENSO HP0 pump valve



294180-0100

Rotor set feed pump
for DENSO HP3 pump



DENSO 1211
Injector control valve



DENSO 1211
Injector valve plate



EUI valve core
(Size: 6.995~7.075)



EUP valve core
(Size: 6.995~7.075)



CAT 3412 injector
solenoid valve



CAT 3126B Injector
solenoid valve



CAT 3412 Injector
assembly



CAT 3126B Injector
assembly



CAT 3126B pump
162-9610, 180-7341



CUMMINS X15
Injector nozzle



CUMMINS X15
Injector



CUMMINS XPI injector



CUMMINS XPI injector



CUMMINS XPI injector



DELPHI DAF Injector



DELPHI EJBR04501D
injector



BOSCH CRIN4 Injector



DENSO 23670-0E070
injector



SIEMENS VDO injector
BK2Q-9K546-AG



BOSCH EUI injector



BOSCH Detroit injector



VOLVO EUI Injector



CUMMINS 3095773



CAT 3116 Injector



0414750003 EUP



0414401105 EUP



0414799005
0414799001



BOSCH CP1 Pump



BOSCH CP3 Pump



BOSCH CP4 Pump



BOSCH CP4 Pump



BOSCH CP5 Pump



BOSCH CB18



CUMMINS CCR1600
pump



DENSO HP3 Pump



DENSO HP4 Pump



DENSO HP5 Pump



DENSO HP6 Pump



DENSO HP0 Pump



DENSO John Deere
pump



DELPHI Fuel pump

EURO-II PARTS



NOZZLE 油嘴

				
Type: S, SN, SM	Type: P, PN	Type: DN_SD	Type: DN_PDN	Type: YANMAR

	<table border="1"> <tr><td>8N7005</td><td>4W7020</td><td>4W7016</td></tr> <tr><td>7W7038</td><td>4W7019</td><td>4W7015</td></tr> <tr><td>7W7032</td><td>4W7018</td><td>1301804</td></tr> <tr><td>6N7828</td><td>4W7017</td><td>170-5183</td></tr> </table>	8N7005	4W7020	4W7016	7W7038	4W7019	4W7015	7W7032	4W7018	1301804	6N7828	4W7017	170-5183		<table border="1"> <tr><td>9L6884</td><td>8N4694</td></tr> <tr><td>8N8796</td><td>8N1831</td></tr> <tr><td>8N4697</td><td>8N1584</td></tr> </table>	9L6884	8N4694	8N8796	8N1831	8N4697	8N1584
8N7005	4W7020	4W7016																			
7W7038	4W7019	4W7015																			
7W7032	4W7018	1301804																			
6N7828	4W7017	170-5183																			
9L6884	8N4694																				
8N8796	8N1831																				
8N4697	8N1584																				
Type: CAT		Type: CAT																			

						
Pencil injector						

33706	28412	26632	9N2366
33408	27836	24412	9L6969
33406	27333	22808	20494
32262	27127	20672	1W5829
28485	26993	20671	
28481	26964	20668	

PLUNGER 柱塞

				
Type: A	Type: AD	Type: P	Type: MW	Type: EP9

				
Type: PW	Type: P8500	Type: PS7100	Type: PT	Type: Lucas

Type: CAT



7W5929	4P9830	9H5797
1P6400	6N7527	108-6631
1W6541	8N3539	108-2104

DELIVERY VALVE

出油阀



Type: A



Type: P



Type: VE



Type: Isobaric valve

CAM PLATE

凸轮盘



3 Cylinder



4 Cylinder



5 Cylinder



6 Cylinder

HEAD ROTOR 泵头

VE PUMP
HEAD ROTOR



3 Cylinder



4 Cylinder



5 Cylinder



6 Cylinder

LUCAS PUMP
HEAD ROTOR



3 Cylinder



4 Cylinder



6 Cylinder



YANMAR

OTHER SPARE PARTS 其他配件



VE Pump Pressure
Regulating Valve



VE pump fuel return
screw



VE Pump Plug



VE pump roller



VE Feed Pump

146100-0120	146100-0220
146100-0320	096140-0030
096140-0030	1467030309
1467030008	1467030303



152200-1120
Hand Primer



2447222125
Hand Primer



12V 24V
Pump Solenoid Valve



P7100



P8500