

TK1026

COMMON RAIL INJECTOR TEST BENCH

TK1026

INJECTESTER CRI IS
MORE THAN
A TEST BENCH
WITH ITS
FAST MEASUREMENT
SYSTEM
AND
MANY
UPDATED FEATURES.



Best Accuracy

Best Investment

Best Performance

TK1026.04, 4th version of TK1026 family, is more than a test bench with its new electronic drive system and many updated features.

Maktest provides its customers;

- Updated information concerning test and repair instructions,
- Latest version control software and drivers,
- User's manuals and troubleshooting guides,
- Repair manuals for repairing various common rail injectors.

TK1026.04 control software has more than 600 injector test plans for Bosch, Delphi, Denso, Siemens and Caterpillar common rail injectors.

Software and database is upgraded periodically and new models, types or new makes common rail injectors are included as they appear in the market.



MEASUREMENT CAPACITY OPTIONS

STANDARD:

Measuring system capacity is limited to measuring On-Road Vehicles including Trucks and Work Machines up to 700 HP (400mm³/Str). The precision for measuring upto this level delivery is maximized.

MEASUREMENT TECHNOLOGY OPTIONS

PD: Positive Displacement sensor is used as standard.

Coriolis: Mass measurement with high accuracy and precision is obtained in delivery measurement.

Code Option:

Currently only Bosch IMA Coding option is available. More options will be included in the near future.

No Coding:

Standard Model. Bosch IMA Coding: Option provides coding calculator for Bosch Electromagnetic and Piezo injectors, including ISA Classification.



Bosch IMA Coding:

Option provides coding calculator for Bosch Electromagnetic and Piezo injectors, including ISA Classification.

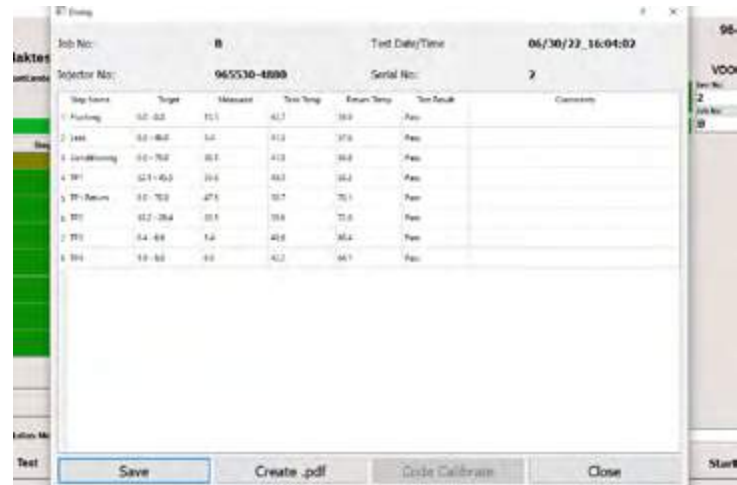


GRI Injector Test Results

Company Name:
Address:
Tel No:
Equipment No: 0509

Job No	Injector No	Serial No	Test Time
1	0509-000	1	0509_000001

Step	Pass	Target	OPVPS	TRAC	RAVPC	MT	Pass/Fail	Comment
Flushing	000	0.0 ± 0.0	18.0	40.2	36.1	0	Pass	
Leak	000	20.0 ± 20.0	8.0	40.7	36.1	0	Pass	
LowSpeed	000	20.0 ± 10.0	23.0	36.7	40.5	0	Pass	
YPI	1000	30.0 ± 5.7	35.0	40.0	36.2	000	Pass	
YPI Return	1000	20.0 ± 10.0	47.0	41.0	40.5	0	Pass	
YPI	000	20.0 ± 5.1	25.0	40.0	40.0	0	Pass	
YPI	000	1.0 ± 0.1	8.0	40.0	40.0	0	Pass	
YPI	000	1.4 ± 0.0	8.0	40.0	40.1	0	Pass	



Voltage Options:

- 200-240 VAC 50/60 Hz. : TK1026 is designed to run at 360- 415 VAC 50/60 Hz. This option includes a Maktest Transformer suitable for TK1026.
- Standard model. 360-415 VAC 50/60 Hz.

TECHNICAL SPECIFICATIONS

Measurement Capacity Option
Standard

Voltage Options

200-240 Vac / 360 - 415 Vac

Coding Option

No Coding / Bosch IMA Coding

High Pressure System/ HP Pump

Bosch Cp3 or Denso HP3

High Pressure System/ HP Pump Motor

7.5 kW. 1400 rpm @50 Hz; 1800 rpm @60 Hz

High Pressure System / Max Pressure

2200 bar

High Pressure System / Pressure Regulator

Bosch

High Pressure System / Rail Volume

28 cm³

Test Oil Supply System / Tank

27 L

Test Oil Supply System / LP Supply Pump

4 L/min, max 4 bar

Test Oil Supply System / Heater Element

2kW

Test Oil Supply System / Cooling System

Air Cooled

Test Oil Supply System /Filter

5 micron

Instrumentation / HP Sensor

Bosch 2200 bar

Instrumentation /Nozzle Response Time (NRT)

**Piezo with Acceleration correction. within 10
microsecond Accuracy**

Instrumentation /Electronics

Maktest CR1

Computer / Processor

Dual Core 1.86 Ghz or X5 28350 1.44 Ghz

Computer /RAM

2 GB

Machine Dimensions

Width: 930 mm

Depth: 650 mm

Height:1690 mm

Weight: 270 kg

Packing Dimensions

Width: 1090 mm

Depth: 860 mm

Height: 1890 mm

Weight: 360kg

WHAT'S INCLUDED?

AA3459	INJECTOR DELIVERY NIPPLE	1
BA1221	FITTING 1/8-6	1
AP2031	INJECTOR CABLE - DELPHI WP4	1
AP2032	INJECTOR CABLE - BOSCH WP4	1
AP2033	INJECTOR CABLE - DENSO WP4	1
AP2038	VDO INJECTOR CABLE WP2	1
AP2034	INJECTOR CABLE CROCODILE CLIPS WP4	1
AP2035	INJECTOR CABLE -MERCEDES WP4	1
AP2089	NRT CABLE	1
AP2036	CABLE HYUNDAI DENSO 5550 09K 03427 WP4	1
AP2039	BOSCH - PIEZO CABLE WP2	1
AP2037	INJECTOR CABLE - DELPHI (EMBR00002D) WP4	1
BM1055	DELIVERY HOSE	160cm
BA1161	RUBBER FEET	4
AR2537	WINDOWS LICENSE	1
KO1365-2	ADAPTOR JOHN DEERE-DENSO(ADAPTOR)	1
KO1538	RETURN ADAPTOR	1
KO1472	ADAPTOR DELPHI (4S7Q-9K546-BD)(EJDR00504Z)	1
KO1449	ADAPTOR HYUNDAI DENSO 5550 09K 03427	1
KO2025	BOSCH-PIEZO INJECTOR RETURN COMPLETE	1
KO1746	BOSCH (0445 110 369) INJ. RETURN COMPLETE	1
MO243300	INJECTOR ADAPTER GROUP	1
MO1321	INJECTOR ADAPTER GROUP	1
AG1296	ORING Ø9x4	3
AG1297	ORING Ø7x4	9
AG1287	ORING Ø14x2	4
AP1892	POWER CABLE	1
AN243425	INJECTOR WRENCH	1
MO243116	HIGH PRESSURE FUEL CONNECTION	1



Optional Accessories for Various CR

KO1723.....SCANIA - XPI INJECTOR (575176) (1874424)
 KO1426.... DENSO - KOMATSU (275) (0561 09E 0582) (095000-0560)
 KO1427....BOSCH - RENAULT (0445120020)
 KO1428....BOSCH - IVECO/CUMMINS (0445120 113 / 114)
 KO1429.....BOSCH - MAN (0445 120 030 / 061 / 202 / 218)
 KO1430....BOSCH - DAEWOO (0445120040)
 KO1431....BOSCH - FORD (0445120025)
 KO1432....DENSO - JOHN DEERE (095000-5480 /5050)
 KO1768... CUMMINS XPI (QSX11.9) (2872127)
 KO1459.... DENSO - HYUNDAI (095000-5550)
 KO1462.... BOSCH-MAN (0445 120 024 / 044 / 055 / 056)
 KO1472.... DELPHI-JAGUAR X400 (EJDR01001D) (EJDR00504Z)
 KO1484... DENSO - JOHN DEERE (7560-07K00201)
 KO1502...DELPHI - MERCEDES - SMART (RA0020109751)
 KO1584... DENSO - ISUZU (095000-6222 09K60394)
 KO1587...BOSCH-KOMATSU (0445 120 007 / 059 / 075 / 123 / 140 / 212 / 250) (F431-4-8965)
 KO1592...DENSO-KOMATSU (PC800) (0562 01L 0516) (095000-1211 09K0047)
 KO1631... BOSCH-CUMMINS (0445 120 070) (0445 120 241) (0445 120 121 - (F2093-02-0370))
 KO1634... DELPHI (EMBR00002D)
 KO1636... SIEMENS - FORD 6.4 L (1875072C91)
 KO1714... BOSCH - VOLVO (0445 120 066 / 067 / 141)
 KO1715...BOSCH-FOTON/SHANQI (0445 120 086)
 KO1716... DENSO-MASSEY FERGUSON (095000-6490)
 KO1718... BOSCH (0445 120 102)
 KO1737... BOSCH - MAN (0445 120 092 / 157)
 KO1767... DELPHI - DAF (1742535)
 KO1830... BOSCH - MAN 0445 120 026/045/098/099/105/147
 KO1860... DENSO - 095000-5450
 MO1105... RETURN ADAPTOR - DELPHI
 AA3459... CR PIPE CONNECT NIPPLE-DENSO INJ
 AP1757... INJECTESTER CR DELPHI INJECTOR CABLE
 BA1351... RETURN CONNECTION NIPPLE
 KO2000... CLAMPING UNIT FOR COMMON RAIL INJECTORS: BOSCH (CRI-CRIN); DENSO; DELPHI;CATERPILLAR
 KO2001... ADAPTER SET FOR L'ORANGE MTU INJECTOR
 KO2002... ADAPTER SET FOR CUMMINS QSK INJECTOR
 KO2003... ADAPTER SET FOR BOSCH MTU 2000 SERIES
 KO2004... ADAPTER SET FOR BOSCH HACR (4 PIN)
 KO1583... CATERPILLAR (320DL-32F61-00062)
 KO1902... Bosch CRIN Injector Adapter suitable for 0445 120 078 and same body size injectors.
 KO1644... ADAPTOR SET FOR BOSCH-GOLDEN DRAGON 0445 120 078

LEARN MORE: COMMON RAIL TESTING 



About Us

Since its establishment in 1981, our company has been producing CR test equipment, HEUI test equipment, EUI injector and pump test equipment, mechanical test equipment and devices that can diagnose faults with close to one hundred percent accuracy, and has a dealer network that organizes its sales to the whole world.

Started the production of 9 types of turbochargers, which are modules of diesel vehicles and appeal to 68 different model vehicles with 1.3, 1.4, 1.5 and 1.6 liters.



Technical Support

To get help from our technical support, simply contact us today. The expert technical team responds quickly to all service requests registered on the web page.



Reach To Dealer

Maktest is located in İzmir, Turkey. We work with our authorized dealers to provide fast and perfect service in our sales, installation and after-sales services to the whole world. You can contact us via our website to learn about Maktest dealer near you.



Universal Solutions

All makes injector and pump testing



Maktest Warranty

Defect and malfunction coverage



Always Up-to-date


Continuously develops software for better test results

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