TK1026 injectester•CRb

Common Rail Injector Test Stand

Diagnose the Faulty Common Rail Injector Test and Verify after Repairing

TK1026 Injectester•CRb is capable to test both electromagnetic and piezzo injectors from Bosch, Delphi, Denso and Siemens.

> Computerized controls and 10" LCD screen lets the user to have detailed test report print outs.

Special high pressure pump provides up to 1800 bars electronically regulated pressure for testing all types of common rail injectors with accuracy.

Injection Delay Time Measurement helps to diagnose the inconsistent operation due to wear in solenoid and springs in the injectors.

TK1026 injectester•CRb stores all test plans for BOSCH, DELPHI, DENSO and SIEMENS in the database. The database is upgraded periodically to include test plans for new injectors.

Users can also define their own test plans using Test Plan Menu in the control software.









TK1026

injectester•CRb

Quick Test with Quick-Clamp

It takes only seconds to mount the injector and test. Quick-Clamp injector clamping system with flexible high pressure hose connection makes life easy for the user. Various sizes of injectors can be mount to quick clamp without having to use numerous adaptors.



Triple Injection at Each Cycle

Perfect performance in testing common rail injectors is standard only at TK1026 injectester•CRb. Triple injection capability at each injection cycle provides higher accuracy in testing and shorter test time for piezzo injectors.



search	exit	new plan		dit	s	ave
		previus	next			del
gap1	0	shot	200		9	0
pilot µSec	0	engine rpm	400		7	8
pressure limit ± [0 100]		post µSec	0		-	
pressure [200 - 1800]	900	gap2	0		5	6
test type	W	main µSec	600		3	4
test step (a) tes	t step (b)			1	2

TK1026 injectester•CRb has a user friendly database that stores test plans for all types of injectors. Database is upgraded to include test plans for new injectors periodically by Maktest. User can define his own test plans using test plan data base menu.

Accessories Delivered with TK1026 injectester•CRb

Pipe

AP1638 Delphi Injector Cable
AP1639 Bosch Injector Cable
AP1640 Denso Injector Cable

AP1642 Siemens Injector Cable
BA1369 Flexible High Pressure

Technical Specifications

High Pressure Test Oil Transfer System	Pressure is controlled digitally between 100- and 1800 bars.			
Injector Drive System	System is designed to be able to drive future injectors. It can drive electromagnetic injectors as well as piezze injectors. Drive system is capable to inject 3 times per injection cycle.			
Control System	Control computer with 10" LCD Touch Panel runs Windows XP operating syster Special control software runs TK1026 wit high accuracy.			
Fume Extraction	Patented filter system extracts the fume and filters it to drain. Powerful extraction capacity prevents fume from escaping o of spray chamber.			

User Friendly Touch Panel



Easy to use touch panel provides a fast operation while the user interface menu's help and guide the operator at every step of the test from starting the test to printing the report. Well designed user interface prevents the user from losing time between menu pages and user errors.

Injection Delay Time Measurment Helps to Diagnose

Testing : ejbr02101z Vehicle : USER DEFINED Model : USER DEFINED								
Test Step 3 c measuring	μSec 1000							
45 0	1600 ^{10 ±}	0.0 0.0 ±	0.0 0.0 ±	shot 250				
delay (µSec) read 468 max 475	1598			rpm 3000				
<<	>> <u>-</u>	start c	ancel	exit				

Injection delay is measured in µsec. Delay is characteristic for each model of injector and also provides information about the consistancy of its operation. Even when running at very high speed, the delay can be measured with accuracy.

TK1026 injectester•CRb monitors the delay during the tests and provides information to the user about delay variances between injections.

Optional Adapters for Various Common Rail Injector Applications

- KO1426 Komatsu Denso
- KO1427 Renault Bosch
- KO1428 lveco Bosch KO1429 MAN Bosch
 - KO1432 John Deere Denso
 KO1433 Duratas Cummins Dense
 - KO1433 Durateq Cummins Denso

KO1430 Daewoo Bosch

KO1431 Ford Bosch

Optional Accessories Recommended

- KO1382 Bosch Common Rail Injector Repair Tool Set
- KO1375 Common Rail Injector Clamp
- DE1382 Ultrasonic Cleaning Tank -4 Lt / 100w
- KO1407 Common Rail Torque Wrench Set

TK1026 injectester•CRb Dimensions



Width : 1040 mm Depth : 850 mm Height : 1830 mm Weight : 300 kg

220 VAC 50/60 Hz and 380 VAC 50/60 Hz (3 phase) both required.

Required Utilities

MAK TEST M

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