

CORONA



DIESEL®

Unit-Injectors Test Bench *P.N.: 555-PI1*

**NEW
UNIT-INJECTOR
TEST BENCH**

BOSCH

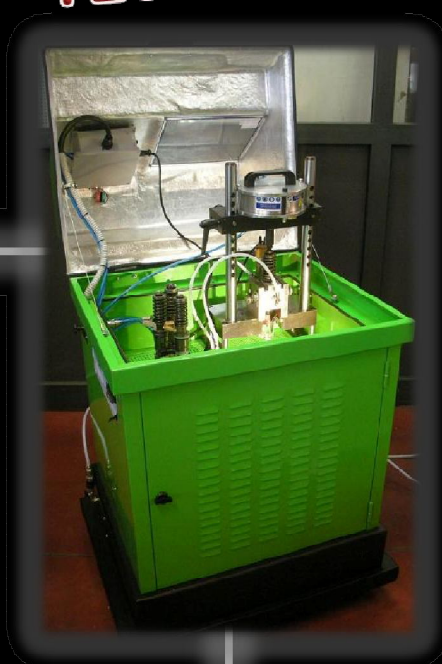
DELPHI

DETROIT

SCANIA

CUMMINS

CATERPILLAR



1. ADJ DRIVER POWER
2. DISPLAY
3. FEED PUMP
4. START PUMP
5. ADJ DRIVE MENU'



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POWER DRIVE AND
START INJECTION

ELECTRONIC
DELIVERY

N 07940 c/m00.87
Ps 4.49 AMP18.82

FEED PRESSURE

SOLENOID CURRENT
START INJECTION AND
DELIVERY



TIME = SOLENOID START INJECTION AND DELIVERY



FREQ.= SIMULATED ENGINE RPM



DUTY = HEIGHT ELEMENT



DUTY METER = METERING DELIVERY AND CURRENT

DELIVERY TABLE

Injector Pump Delivery Table EUI-DELPHI E3 with 555-PI1				
SOLENOID CONTROL		 1 - 2 = 1,8 - 2,1 Ω (TIME) 3 - 4 = 1,6 - 1,8 Ω (METERING)		
	SETTINGS	RESULTS	COMPONENT	MEASURING COMPONENT
TEST 1 (BLEEDING)	Time = 140 - 150 ms Freq. = 1.50 Hz Duty Pump = 140 - 150 ms Amp Meter = 1.76 - 1.93 Duty Meter = 15.73 N _{push} = 7000 - 7500 PS = 4 - 5 Amp Pump = 14.92 - 15.23		5 MINUTES	
TEST 2 (DELIVERY MAX)	Time = 140 - 150 ms Freq. = 1.50 Hz Duty Pump = 140 - 150 ms Amp Meter = 1.76 - 1.93 Duty Meter = 15.73 N _{push} = 7000 - 7500 PS = 4 - 5 Amp Pump = 14.92 - 15.23	30 - 37 cm ³	 N.4 (Delivery shims) N.5 (Servo valve timing) N.10 (Nozzle)	

Injector Pump Delivery Table EUI-DELPHI E3 with 555-PI1				
	SETTINGS	RESULTS	COMPONENT	MEASURING COMPONENT
TEST 3 (DELIVERY MIN)	Time = 140 - 150 ms Freq. = 70 - 75 Hz Duty Pump = 140 - 150 ms Amp Meter = 1.78 - 1.92 Duty Meter = 15.73 N _{push} = 7000 - 7500 PS = 4 - 5 Amp Pump = 17.36	16 - 18 cm ³	N.5 (Servo valve timing) N.6 (Adapter master nozzle) N.9 (Intermediate plate and pressure pintle kit) N.10 (Nozzle)	
TEST 4 (FEEDBACK START INJECTION)	Time = 34.20 ms Freq. = 1.50 Hz Duty Pump = 140 - 150 ms Amp Meter = 1.78 - 1.92 Duty Meter = 15.73 N _{push} = 7000 - 7500 PS = 4 - 5 Amp Pump = 19.19		N.5 (Servo valve timing) N.6 (Adapter master nozzle) N.9 (Intermediate plate and pressure pintle kit)	
TEST 5 (FEEDBACK PRESSURE OPENING)	Time = 145.60 ms Freq. = 1.50 Hz Duty Pump = 140 - 150 ms Amp Meter = 1.78 - 1.93 Duty Meter = 15.73 N _{push} = 3400 - 3900 PS = 4 - 5 Amp Pump = 14.92	1.50	N.6 (Adapter master nozzle) N.9 (Intermediate plate and pressure pintle kit) N.10 (Nozzle)	

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Accessories supplied for test bench 555-PI1

	555-24-3	Adapter Unit-Injector
	555-26	Generic cable for Unit-Injector pump
	555-90-2	Cable for Unit-Injector Delphi E3
	555-48-7	Cable for Unit-Injector Delphi E1 – PDE100 Bosch (internal solenoid)
	555-34-7	Cable for Unit-Injector PDE80 Bosch

Adapter on request for test bench 555-PI1

	555-34-3	Bosch PDE P1-1.1-1.3 / 80
	555-34-A3	Bosch PDE 2 / 80
	555-28-1 / N	Bosch PDE90
	555-48-1	Delphi A3-E1-E3
	555-36-1	Delphi Land-Rover Discovery
	555-47	Delphi John Deere
	555-37-2	Caterpillar 3176 – 3196 - C10
	555-46-1	Caterpillar 3406 – C15
	555-39-2	Cummins L10 – M11 – N14
	555-38-3	Detroit series 50-60
	555-40-1	Scania