Progettazione e costruzione di componentistica elettronica e meccanica per motori

Assemble Kit For Bosch – Denso magnetically operated, Piezo Bosch and Siemens Common-Rail injector with computer monitored guotes and Mitutoyo control interface



CONON! The kit allows a fully monitoring of Common-Rail injector by measuring the quotes of its shims; by means of an interactive system connected to 3 centimal comparators it eventually compares the quotes with the original rate table in the software. The systems includes:

1) Interface

CORONA

2) N°3 cables connecting comparator to interface;

IESEL

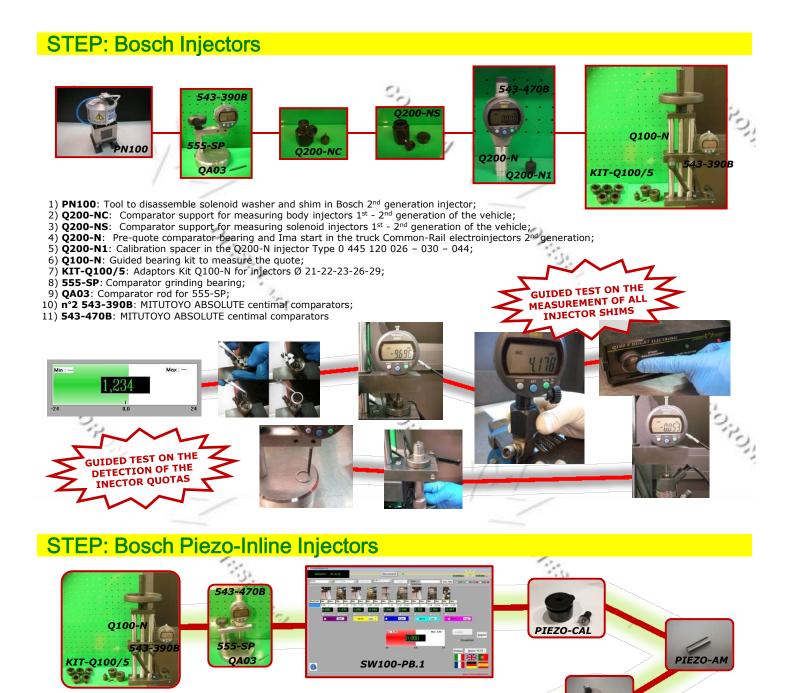
- 3) Sample shim (1 mm);
- 4) Steel cable to lift comparator;
- 5) Ethernet cable;
- 6) Solenoid washer for Q100;
- 7) Comparator switch;
- 8) Injector cable;
- 9) Key wthit Instructions and Software (to install in a PC of your possession, which must have a system for the Windows platform and a full version of Microsoft Office Excel) 0000 NI / 10,207



Below are the details on the available injectors step

N.S.W. N.C.

0,000



20101

555-

SUPPLIED WITH

DETAILED USE

INSTRUCTIONS

O100-EP HEIGHT ELECTR

N100

- 1) **SW100-PB.1:** Corona Software for Mitutoyo;
- 2) Q100-N: Guided bearing kit to measure the quote;
- 3) **KIT-Q100/5**: Adaptors Kit Q100-N for injectors Ø 21-22-23-26-29;
- 4) **555-SP**: Comparator grinding bearing;
- 5) QA03: Comparator rod for 555-SP;
- 6) n°2 543-390B: MITUTOYO ABSOLUTE centimal comparators;
- 7) **543-470B**: MITUTOYO ABSOLUTE centimal comparators;

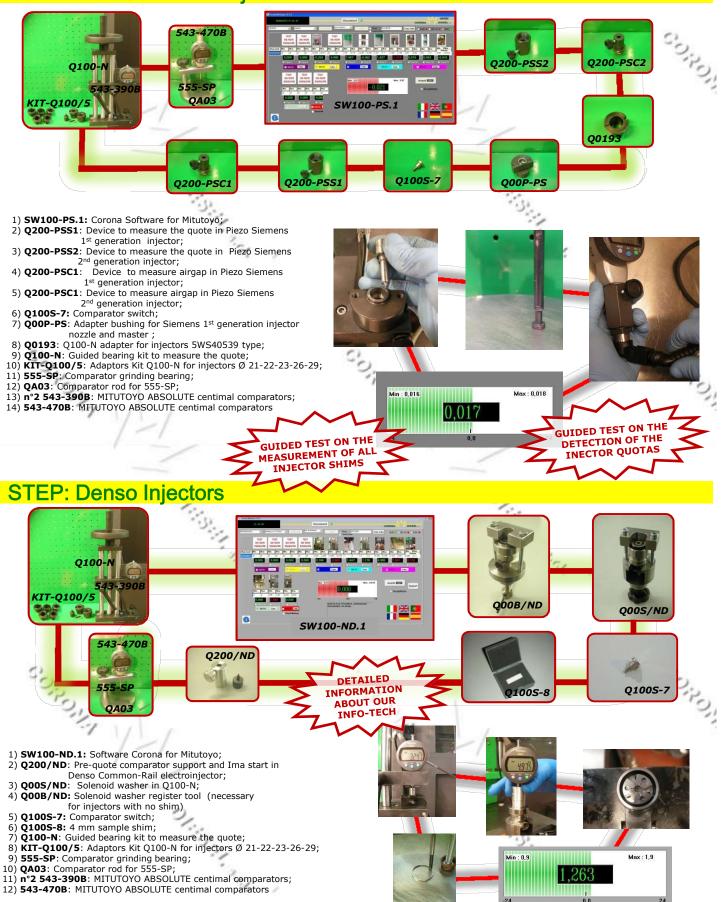
Max : -0,011

- 8) **PIEZO-CAL**: Calibrating mask for Hydraulic coupler;
- 9) **PIEZO-AM**: Motion amplifier mask

0.013

- 10) **555-QP**: Support return servovalve height
- 11) **PN100**: Tool to disassemble solenoid washer and shim in Bosch 2<sup>nd</sup> generation injector;

## **STEP: Siemens Piezo Injectors**

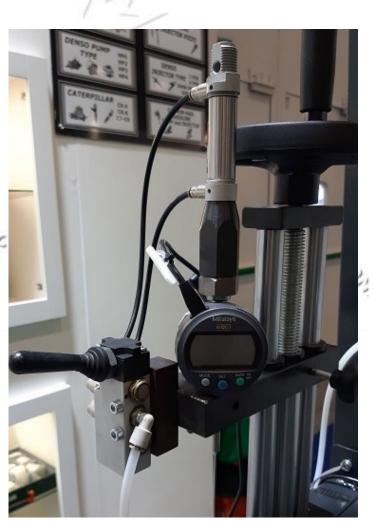


Assemble Kit For Bosch – Denso magnetically operated, Piezo Bosch and Siemens Common-Rail injector with computer monitored quotes and Mitutoyo control interface

**REQUIRED ITEMS PNEUMATIC DEVICES** 



P.N.: 555-MIT/PN25



P.N.: 555-MIT/PN125

2011 The pneumatic device is used to impart a constant and known force when measuring on the Q100-N, as it ensures precision and repeatability of the measurements. 01:53:11.25 It is supplied with a pressure regulator.

POIL



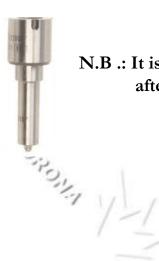
Assemble Kit For Bosch – Denso magnetically operated, Piezo Bosch and Siemens Common-Rail injector with computer monitored quotes and Mitutoyo control interface



The Mitutoyo computerized assembly system becomes indispensable when the main operating part is replaced of the Bosch magnetic solenoid injector, ("Control rod"), for size appropriately all the thicknesses inside. In some cases, such as the magnetic Bosch injector type 351 or 369, the tolerances very narrow in the height of the ball valve often need a accurate recalibration by means of this system as it is thousandths of a millimeter. In conclusion, the recalibration of the injector in these cases restores it correct operation without any replacement of parts.



In the case of the electric Piezo injectors Bosch has settled with the new ones test conditions that the pre-injections much more refined than the previous ones, need for the correct functioning of the height measures of the very accurate servovalves that can only be done with the Mitutoyo system do. In other cases this system allows correct reassembly of the injector with the appropriate thicknesses after having been manipulated by diesel patrons.



Olisin and

N.B.: It is recommended to proceed with computerized measurements only afterwards have guaranteed the correct functioning of the sprayer

CORONIE ///

OLISSIE NO.

00<sup>20</sup>1