



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



P.N.: Q100-SN

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
- 2) N°3 cables connecting comparator to interface;
- 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 with 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)

ITEMS ON REQUEST

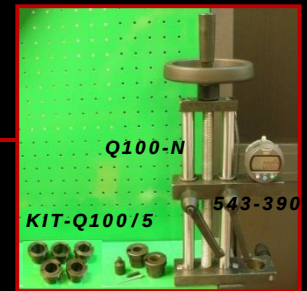


MONITOR + PC

**Below are the
details on the
available
injectors step**

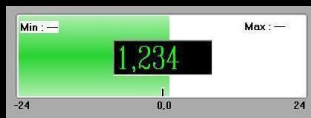


STEP: Bosch Injectors



- 1) **PN100**: Tool to disassemble solenoid washer and shim in Bosch 2nd generation injector;
- 2) **Q200-NC**: Comparator support for measuring body injectors 1st - 2nd generation of the vehicle;
- 3) **Q200-NS**: Comparator support for measuring solenoid injectors 1st - 2nd generation of the vehicle;
- 4) **Q200-N**: Pre-quote comparator bearing and 1ma start in the truck Common-Rail electroinjectors 2nd generation;
- 5) **Q200-N1**: Calibration spacer in the Q200-N injector Type 0 445 120 026 – 030 – 044;
- 6) **Q100-N**: Guided bearing kit to measure the quote;
- 7) **KIT-Q100/5**: Adaptors Kit Q100-N for injectors Ø 21-22-23-26-29;
- 8) **555-SP**: Comparator grinding bearing;
- 9) **QA03**: Comparator rod for 555-SP;
- 10) **n°2 543-390B**: MITUTOYO ABSOLUTE centimal comparators;
- 11) **543-470B**: MITUTOYO ABSOLUTE centimal comparators

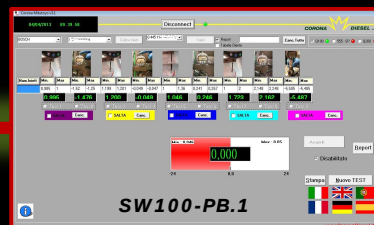
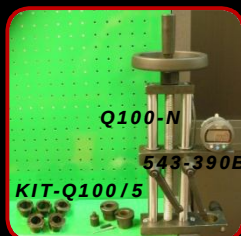
GUIDED TEST ON THE MEASUREMENT OF ALL INJECTOR SHIMS



GUIDED TEST ON THE DETECTION OF THE INJECTOR QUOTAS



STEP: Bosch Piezo-Inline Injectors

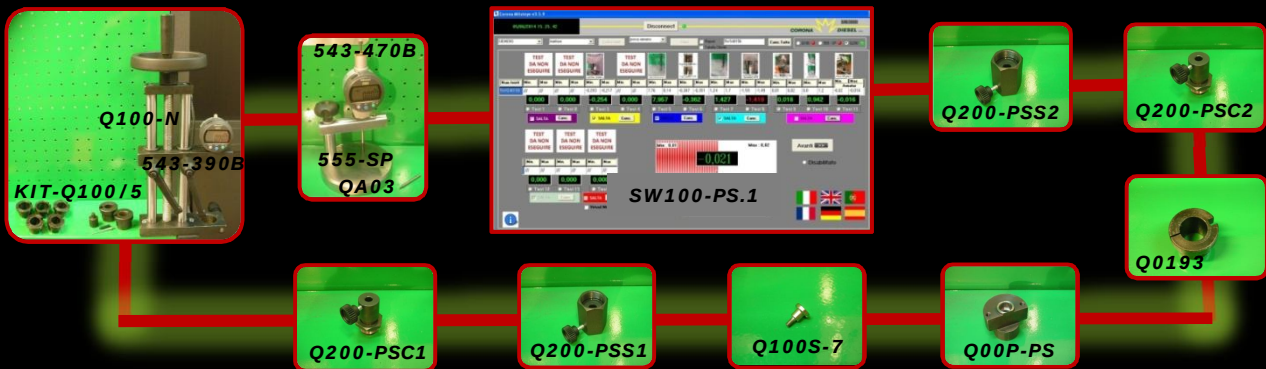


- 1) **SW100-PB.1**: Corona Software for Mitutoyo;
- 2) **Q100-N**: Guided bearing kit to measure the quote;
- 3) **KIT-Q100/5**: Adaptors Kit Q100-N for injectors Ø 21-22-23-26-29;
- 4) **555-SP**: Comparator grinding bearing;
- 5) **QA03**: Comparator rod for 555-SP;
- 6) **n°2 543-390B**: MITUTOYO ABSOLUTE centimal comparators;
- 7) **543-470B**: MITUTOYO ABSOLUTE centimal comparators;
- 8) **PIEZO-CAL**: Calibrating mask for Hydraulic coupler;
- 9) **PIEZO-AM**: Motion amplifier mask
- 10) **555-QP**: Support return servovalve height
- 11) **PN100**: Tool to disassemble solenoid washer and shim in Bosch 2nd generation injector;

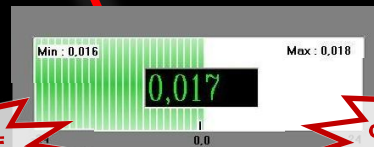
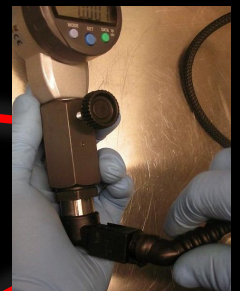
SUPPLIED WITH DETAILED USE INSTRUCTIONS



STEP: Siemens Piezo Injectors



- 1) **SW100-PS.1:** Corona Software for Mitutoyo;
- 2) **Q200-PSS1:** Device to measure the quote in Piezo Siemens 1st generation injector;
- 3) **Q200-PSS2:** Device to measure the quote in Piezo Siemens 2nd generation injector;
- 4) **Q200-PSC1:** Device to measure airgap in Piezo Siemens 1st generation injector;
- 5) **Q200-PSC2:** Device to measure airgap in Piezo Siemens 2nd generation injector;
- 6) **Q100S-7:** Comparator switch;
- 7) **Q00P-PS:** Adapter bushing for Siemens 1st generation injector nozzle and master ;
- 8) **Q0193:** Q100-N adapter for injectors 5WS40539 type;
- 9) **Q100-N:** Guided bearing kit to measure the quote;
- 10) **KIT-Q100/5:** Adaptors Kit Q100-N for injectors Ø 21-22-23-26-29;
- 11) **555-SP:** Comparator grinding bearing;
- 12) **QA03:** Comparator rod for 555-SP;
- 13) **n°2 543-390B:** MITUTOYO ABSOLUTE centimal comparators;
- 14) **543-470B:** MITUTOYO ABSOLUTE centimal comparators



GUIDED TEST ON THE MEASUREMENT OF ALL INJECTOR SHIMS

GUIDED TEST ON THE DETECTION OF THE INJECTOR QUOTAS

STEP: Denso Injectors



DETAILED INFORMATION ABOUT OUR INFO-TECH

- 1) **SW100-ND.1:** Software Corona for Mitutoyo;
- 2) **Q200/ND:** Pre-quote comparator support and Ima start in Denso Common-Rail electroinjector;
- 3) **Q00S/ND:** Solenoid washer in Q100-N;
- 4) **Q00B/ND:** Solenoid washer register tool (necessary for injectors with no shim)
- 5) **Q100S-7:** Comparator switch;
- 6) **Q100S-8:** 4 mm sample shim;
- 7) **Q100-N:** Guided bearing kit to measure the quote;
- 8) **KIT-Q100/5:** Adaptors Kit Q100-N for injectors Ø 21-22-23-26-29;
- 9) **555-SP:** Comparator grinding bearing;
- 10) **QA03:** Comparator rod for 555-SP;
- 11) **n°2 543-390B:** MITUTOYO ABSOLUTE centimal comparators;
- 12) **543-470B:** MITUTOYO ABSOLUTE centimal comparators

