

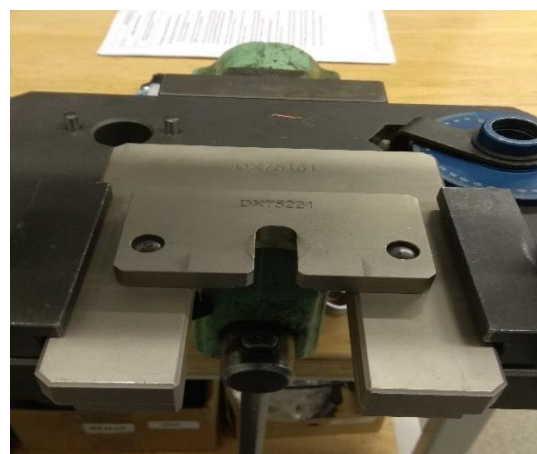
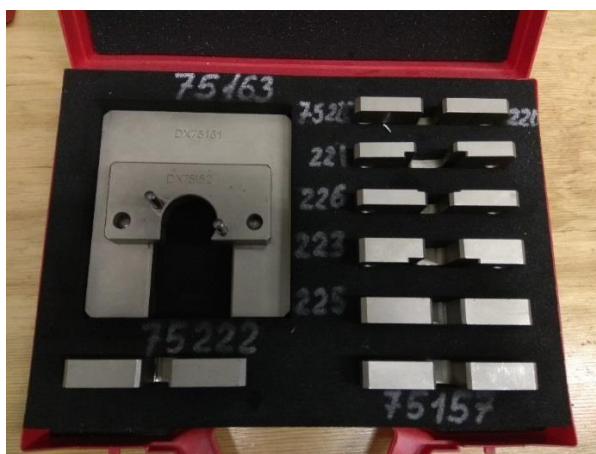
As regards this Instruction Manual, all refitting works (installation, removal of nozzle) are carried out using press **DX-75165** and **Nova Ditex** tooling. To tighten/unscrew nozzle retaining holder screw, nozzle nuts, use torque wrench and/or angle disc. When tightening the injector nut follow parameters given by the injection system manufacturer.



## 1. Injector Common Rail type Piezo VDO

### Procedure for nozzle removal:

1. Use appropriate mounting spacer from set **DX-75238** and place it in holder of station **DX-75165**.

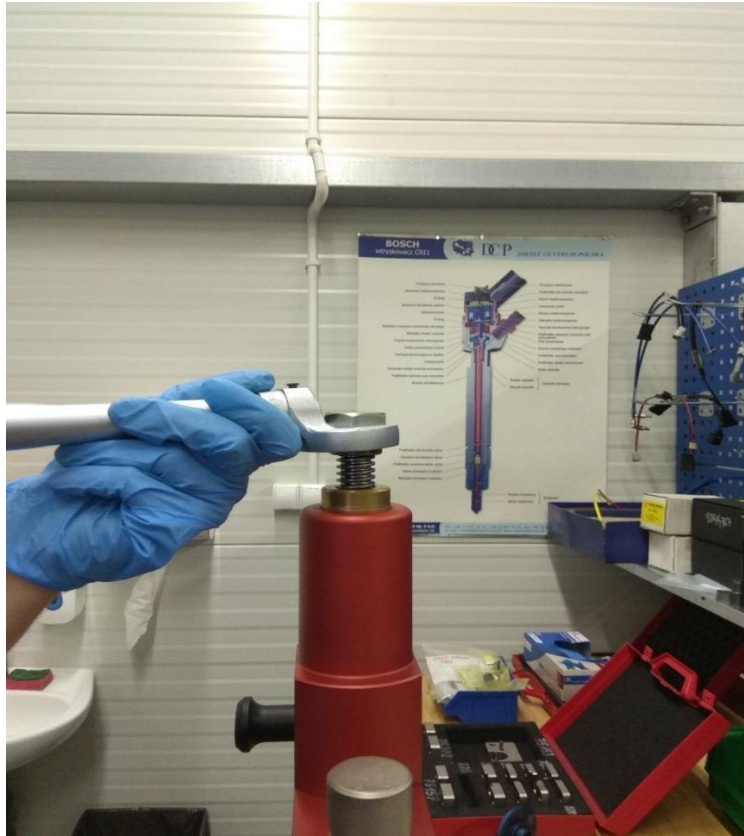


2. Take appropriate adapter of nozzle retaining holder **DX-75238** and install it on station **DX-75165**.



3. Tighten upper screw of nozzle retaining holder until clamped on nozzle front part. Tighten the screw to **30 Nm** by using adapter **30 mm DX-75356** and torque wrench.





4. Undo nozzle nut using adapter **15 mm DX-75351** mounted on torque wrench.





5. Unscrew nozzle retaining holder screw and retract it to position allowing for nut removal.



6. Remove the nut, and then nozzle body with the needle. Note: when removing please pay attention not to lose injector components located under the nozzle.



Procedure for nozzle installation:

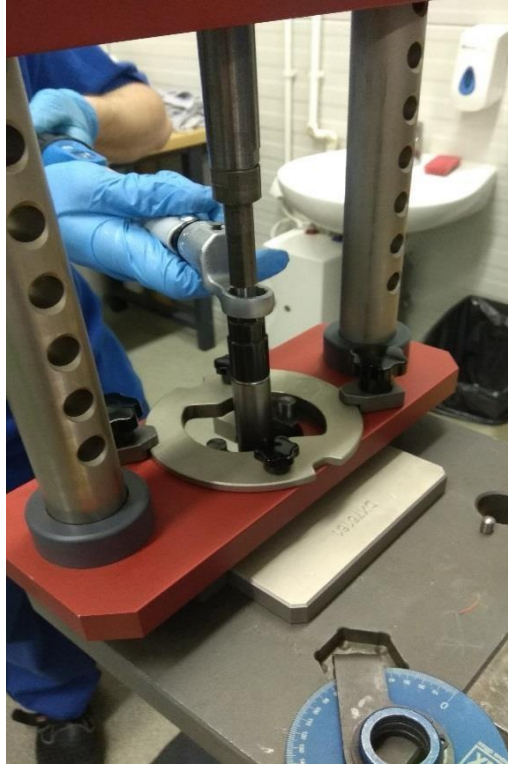
1. Insert the nozzle into injector front part, adjusting its position accordingly on base pins.



2. Pre-tighten injector nut without using torque wrench and tighten nozzle retaining holder screw to **30 Nm**.



3. Pre-tighten the nut using adapter **15 mm DX-75351** to a torque as recommended by the injection system manufacturer, and then unscrew the thread until completely loosen.
4. Tighten the nut intermediately to a torque as recommended by the injection system manufacturer to insert the thread.



5. Tighten the nut to the final torque as recommended by the injection system manufacturer to insert the thread.