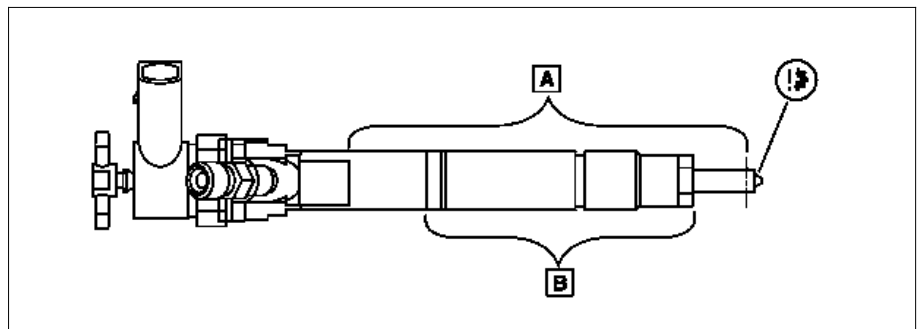


ENGINE 607, 611.960/961/962, 612.961/962/963/967/990, 613.960/961, 628.960/961/963, 629, 640, 642, 646.8/951/961/962/963/966, 647.961, 648.960/961, 651, 668.940/941/942

ENGINE 612.965/966, 628.962, 642

ENGINE 607, 611.980, 642, 668.914

ENGINE 611.981/987, 612.981, 642, 647.981



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Removal instructions:

- The seal ring must be removed from the injector well.

Information on cleaning injector well and injector seat for slight carbonization:

- Use round brush 651 589 01 68 00 with woolen head, the combustion chamber bore does not need to be sealed.
- On every occasion before the round brush 651 589 01 68 00 is used with the woolen head, the dirt and grease residue must be removed with a rag.
- When using a round brush 651 589 01 68 00 with woolen head, a cordless screwdriver may also be used.
- The use of chip removing tools is **not** permissible.
- Repeat cleaning process until the injector well and injector seat are metallic bright.
- Cover/seal injector well after cleaning.

i If a satisfactory result is not reached, then the cleaning method should be continued for severe carbonization.

Information on injector:

- The use of chip removing tools is **not** permissible.
- The injector area (A) can be cleaned with a brass wire brush.
- **Never** clean nozzle tip using a brass wire brush.

Information on tool:

- Clean round brush 611 589 00 68 00 and round brush 651 589 01 68 00 with woolen head thoroughly after use.

i The **bristle length** of the round brush 611 589 00 68 00 can be adjusted. The brush length should be 3 mm. The brush surface can be ground flat if necessary.

Information on installation:

- The injector area (B) must be greased.

- The injector must **not** be disassembled.

Information on cleaning injector well and injector seat for severe carbonization:

- Machines must not be used for this cleaning method.
- Clean injector well using cylinder brush 668 589 00 68 00.
- Before cleaning the injector seat the bore to the combustion chamber must be sealed using the stop plug from the cleaning set 611 589 00 68 00.
- Clean injector seat using round brush 611 589 00 68 00.
- Use round brush 611 589 00 68 00 carefully **and** cautiously.
- Repeat cleaning process until the injector well and injector seat are metallic bright.
- Blow out cleaning residues with air.

- Thoroughly clean injector again with non-woven cloth.
- Remove fiber residues from non-woven cloth.
- When an impact extractor is used, piezo injectors must **not** be used again and they have to be replaced.

- Special grease must be spread over thinly and evenly.
- **Always** replace seal ring between injector and combustion chamber.
- The sealing ring and its contact surfaces must be **grease-free**.
- Always replace bolts attaching tensioning clamps.
- It must be possible to screw in mounting screws slightly.
- i** Recut thread if necessary.