

Assembly instructions VOSS quick connect system 246 AX

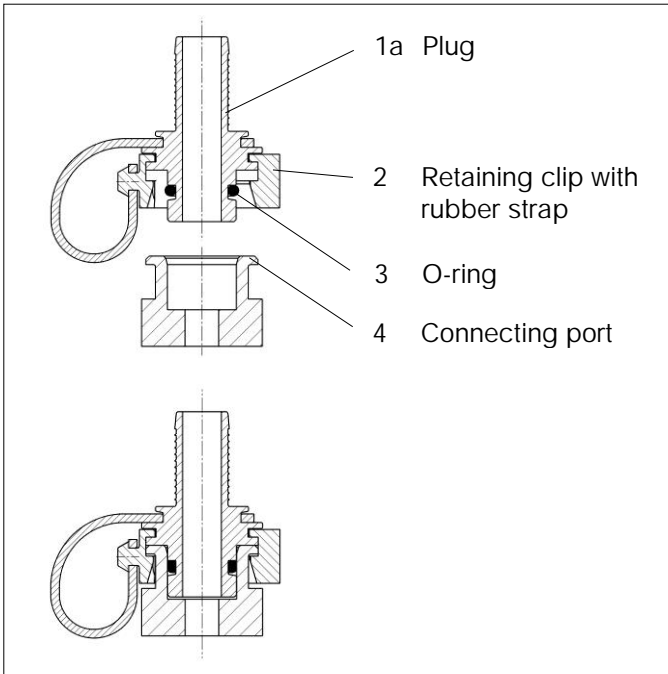


Fig. 1: Single components of VOSS quick connect system 246 AX, straight plug

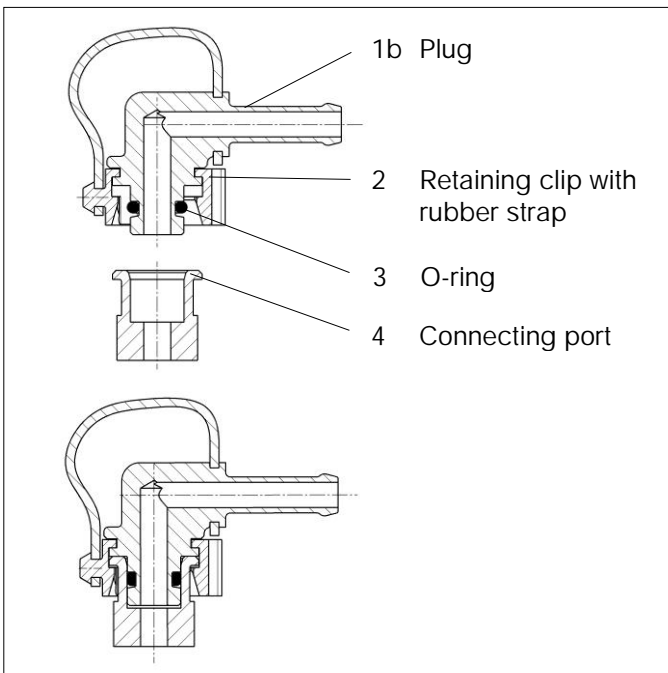


Fig. 2: Single components of VOSS quick connect system 246 AX, 90° elbow plug

These assembly instructions are intended for qualified fitters of fuel systems in automotive engineering.

1. Range of application

The VOSS quick connect system 246 AX for diesel fuel to DIN EN 590 is designed for a temperature range of between -40°C and +100°C.

Depending on operating conditions, the system is applicable at an operating pressure of up to 20 bar for nominal size 8 and up to 12 bar for nominal size 12.

Applications for other media, temperatures and pressure ranges are available on request.

2. Single components

The VOSS quick connect system 246 AX (see fig. 1 and 2) is composed of:

- 1 Plug in straight (1a) and 90° elbow (1b) design
- 2 Retaining clip with rubber strap
- 3 O-ring

The plug is suitable for connecting nylon tubes or rubber hoses.

The VOSS quick connect system 246 AX requires a connecting port at the component according to fig. 1 and 2 (item 4) or an adequate adapter.

A drawing with tolerances of the connecting port can be provided if required.

Connecting ports and adapters should preferably be made of brass or steel. Depending on operating conditions, ports and adapters made of aluminum or nylon are possible.

3. Functional description

The connection of VOSS quick connect system 246 AX is made by inserting the plug into the connecting port, while paying attention to the assembly instructions.

The retaining clip locks behind the flange of the connecting port.

Then the connection is completely assembled and tight.



Fig. 3: Plugs and adapters in the initial position



Fig. 4: Retaining clips locked



Fig. 5: Retaining clips removed



Fig. 6: Plugs disassembled

4. Assembly instructions

4.1. Assembly

Before inserting the plug, check the connecting port and the adapter respectively, paying particular attention to its bore-hole.

The connecting port must be clean and should not show any signs of damage.

The retaining clip must be assembled correctly onto the plug (fig. 3).

Now insert the plug of VOSS quick connect system 246 AX into the hole of the connecting port until the retaining clip locks behind the flange of the connecting port (fig. 4).

The correct locking of the snap-in hooks must be checked by manual pulling against the direction of insertion.

4.2. Disassembly and reassembly

The fuel line must be free of any pressure before disconnecting.

The retaining clip has to be removed sideways (fig. 5). Now the plug can be pulled off the connecting port (fig. 6).

Before reassembly the retaining clip must be assembled again onto the plug, as shown in fig. 3.