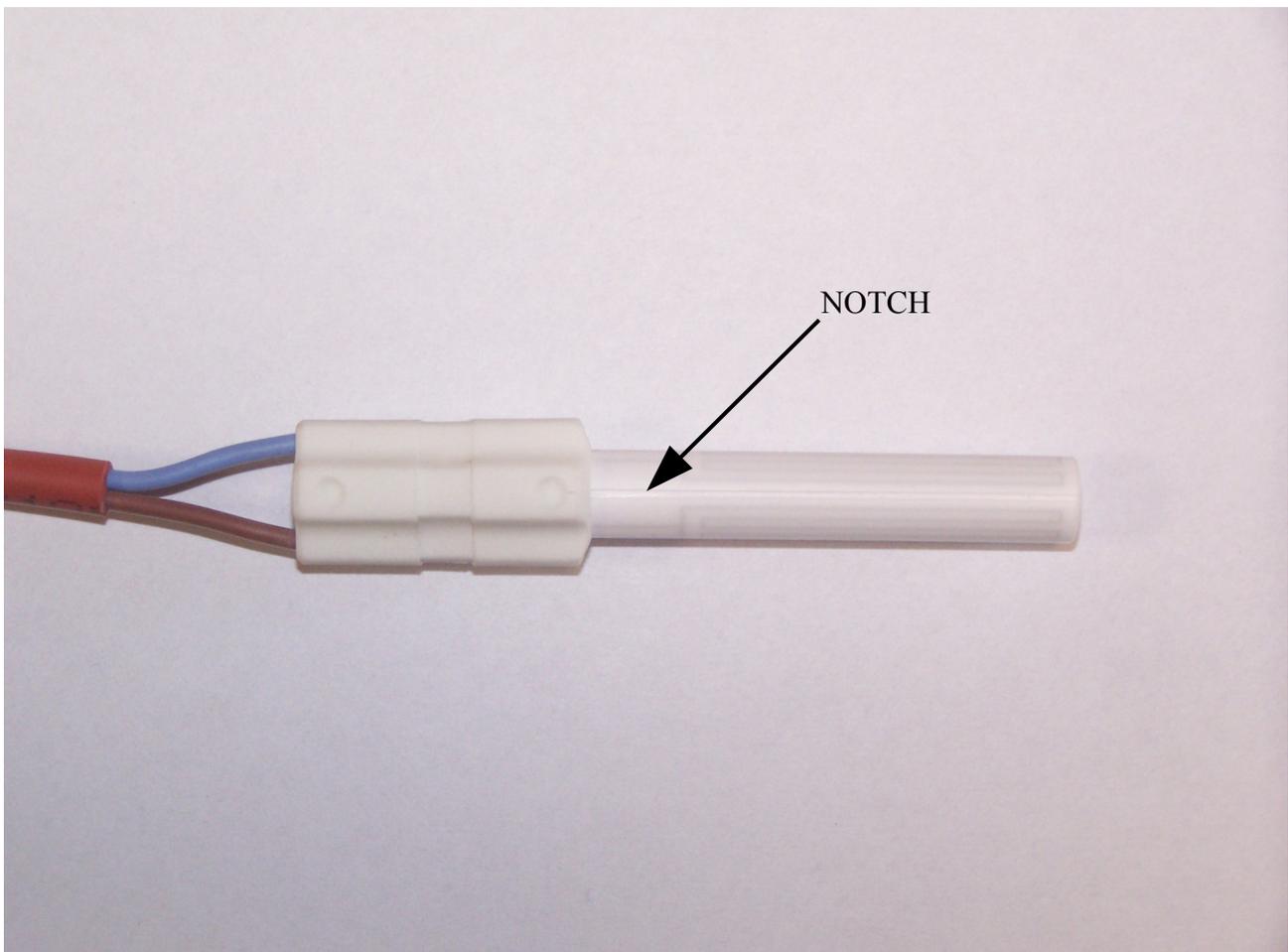


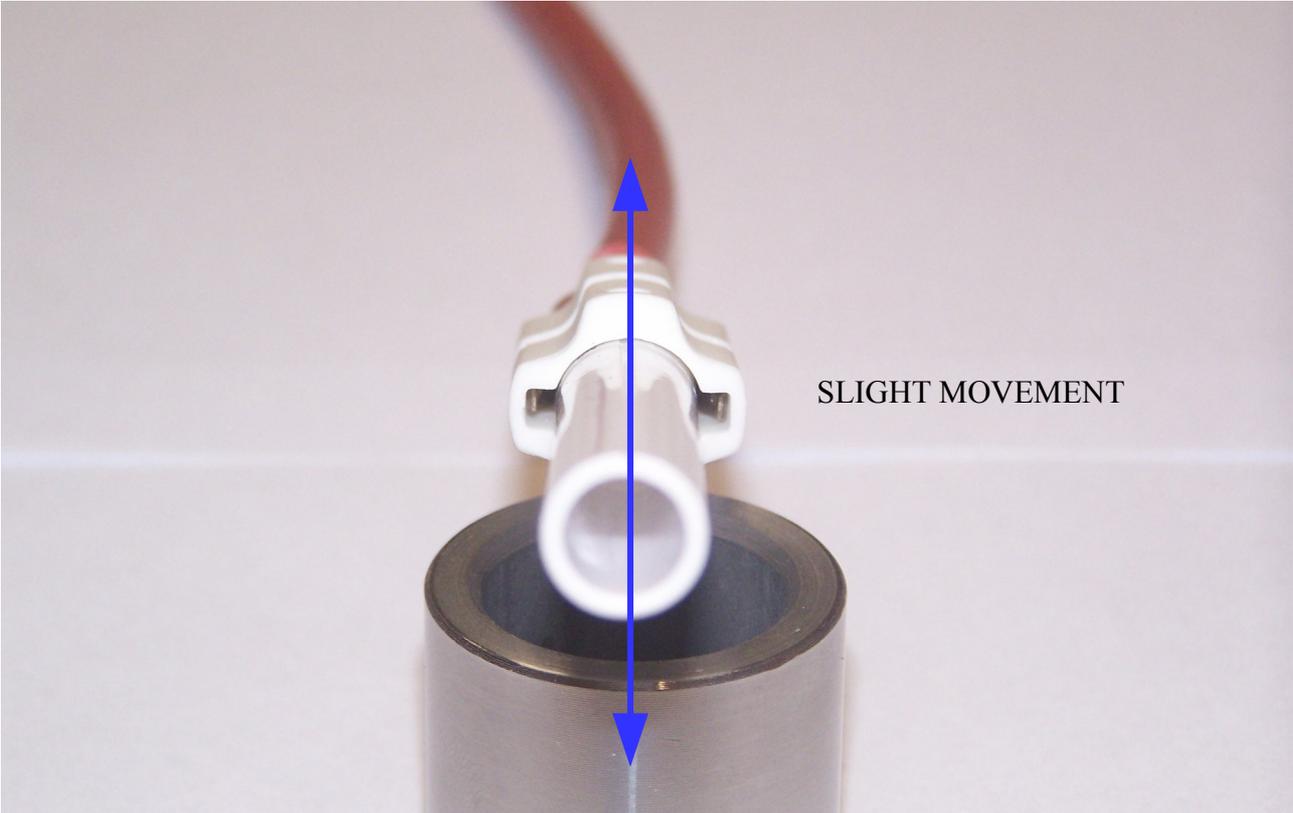
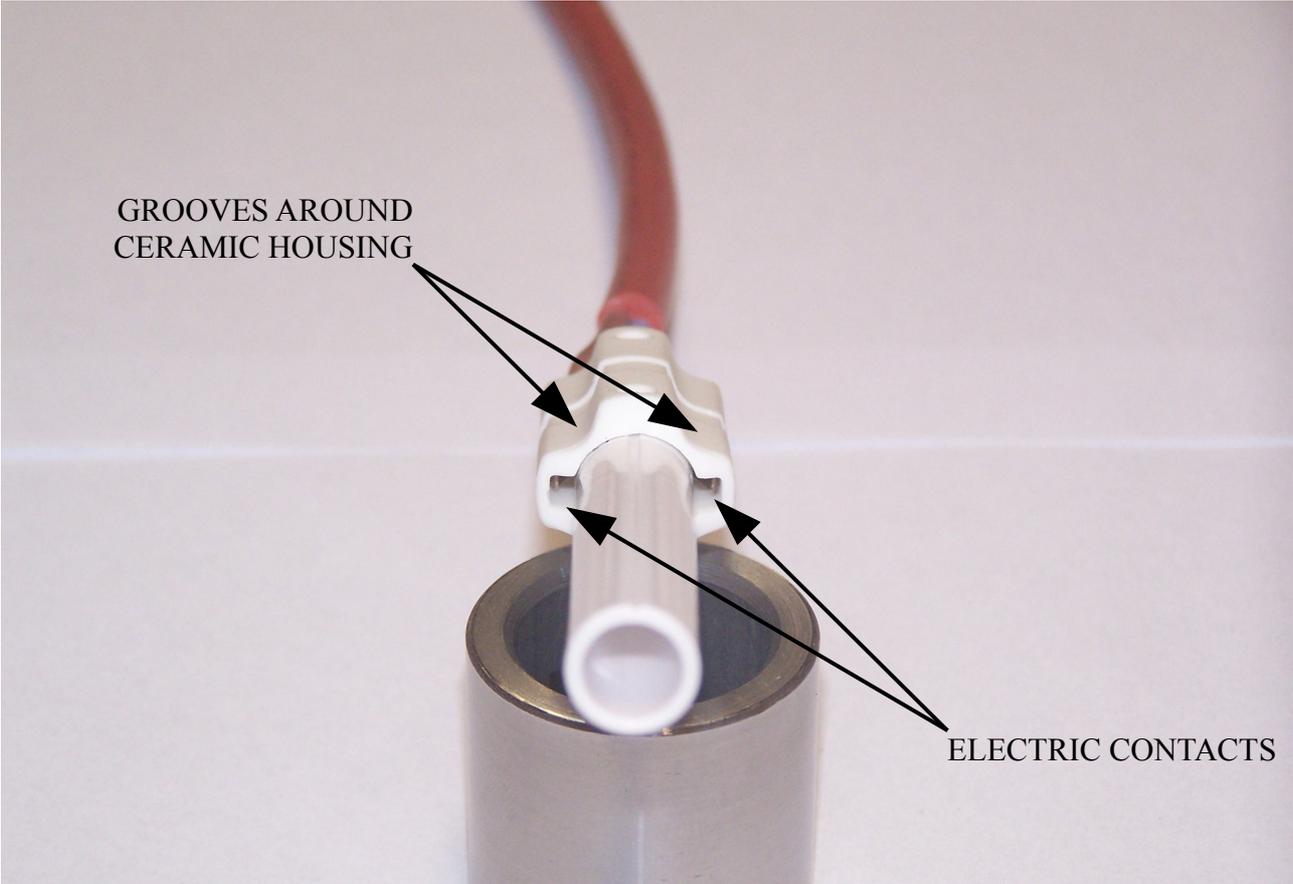
Ceramic lightener instalation

1. Prepare a ceramic lightener

The ceramic lightener has several characteristic details, which allows its proper installation in a boiler. The ceramic lightener has a small notch on the heating element. That notch points the top of the lightener. Futhermore, it has four grooves around a ceramic housing located at the rear of the lightener. The ceramic housing also has two holes at the front of it, in which electric contacts are located.

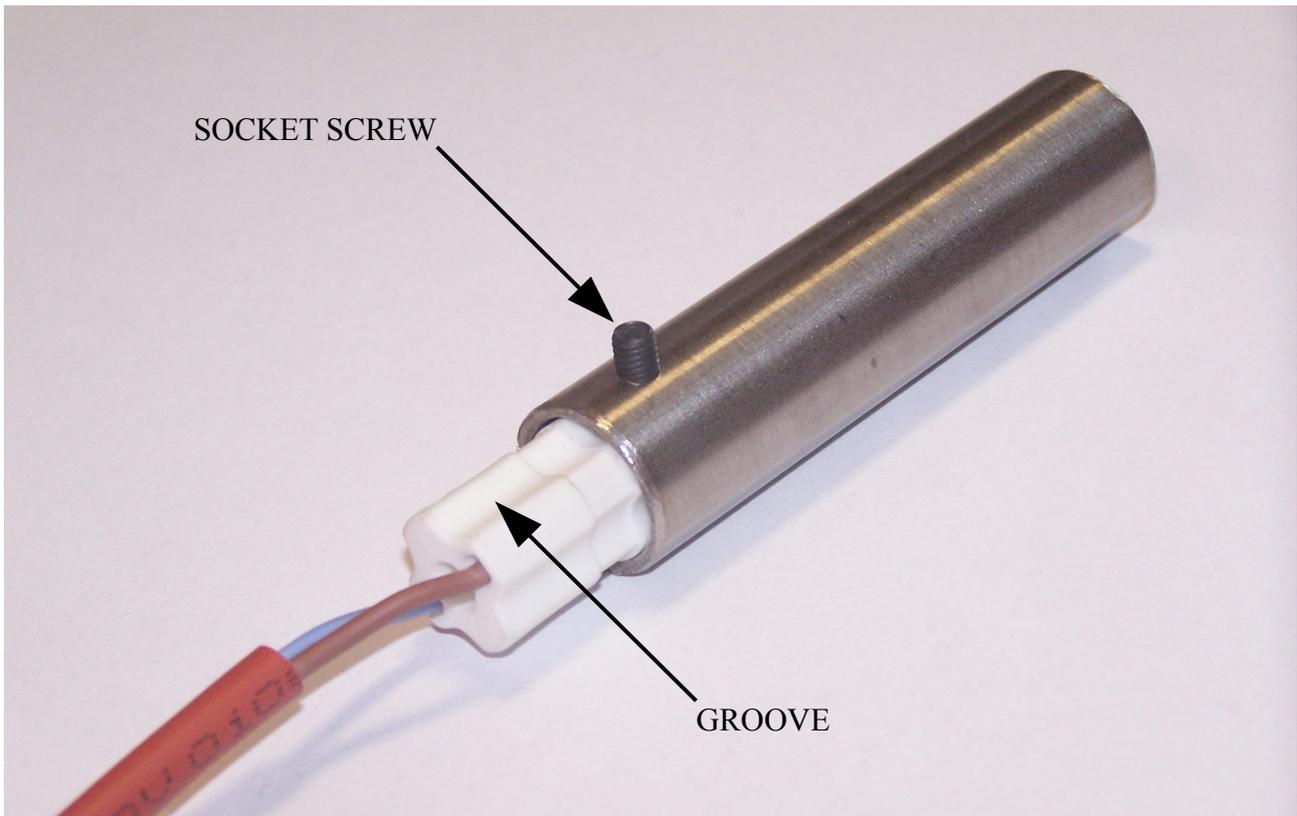
The ceramic housing of the heating element allows it to slightly move up and down. This movement must be taken consideration during lightener installation.





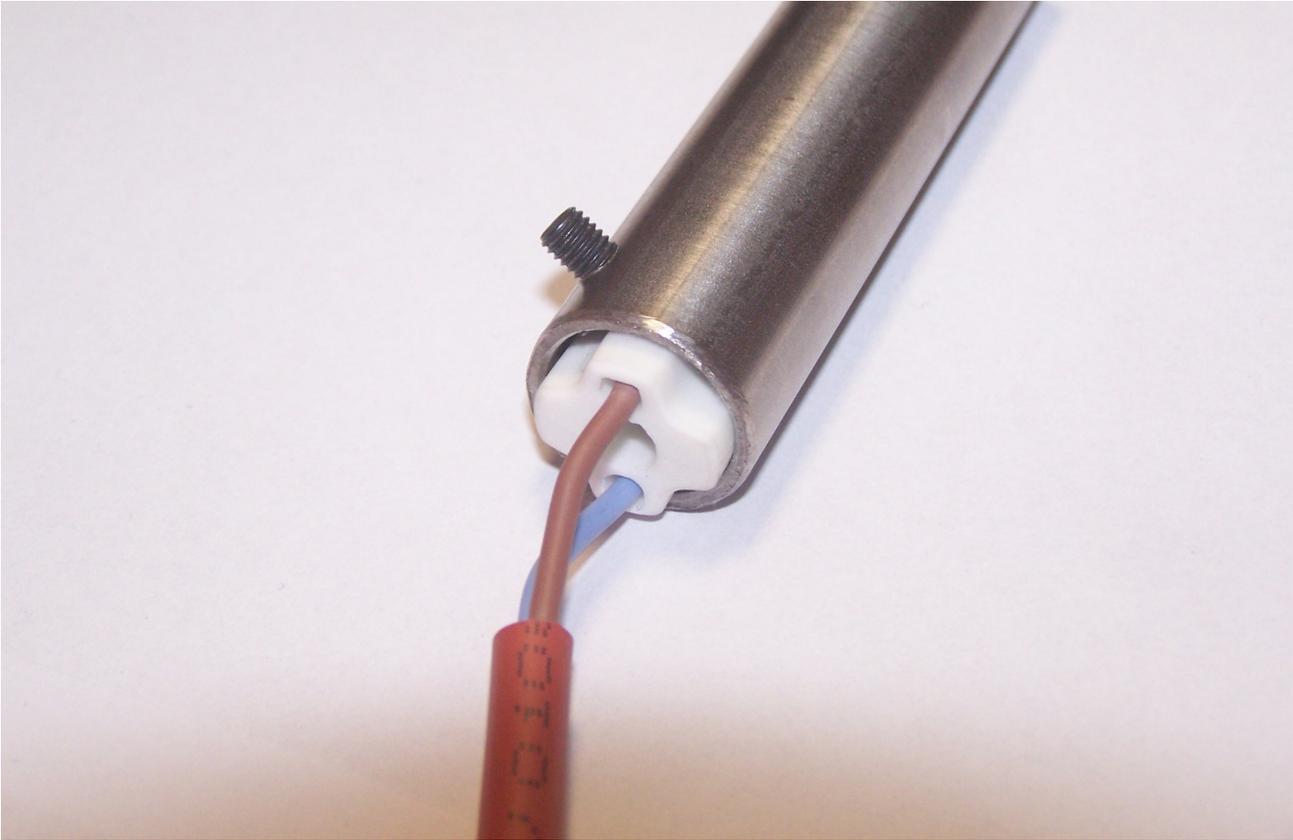
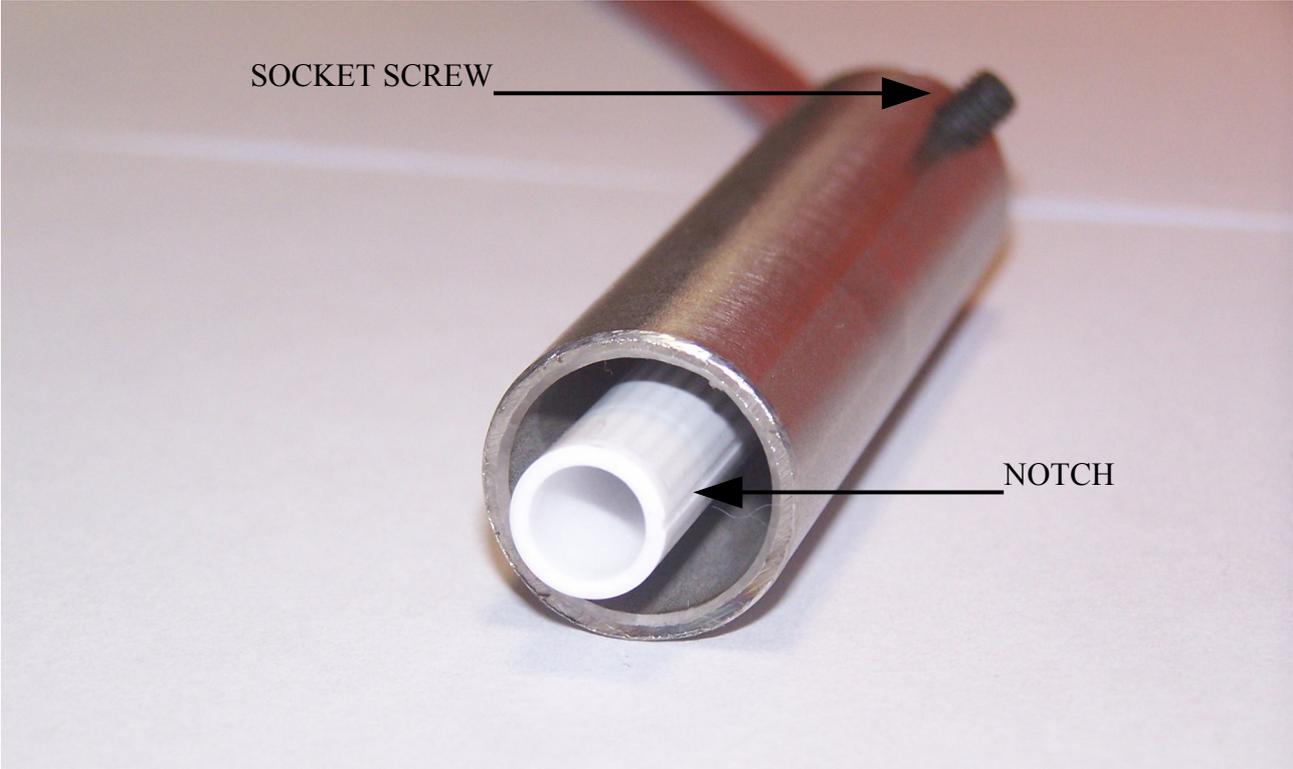
2. Install a ceramic lightener in a stainless tube

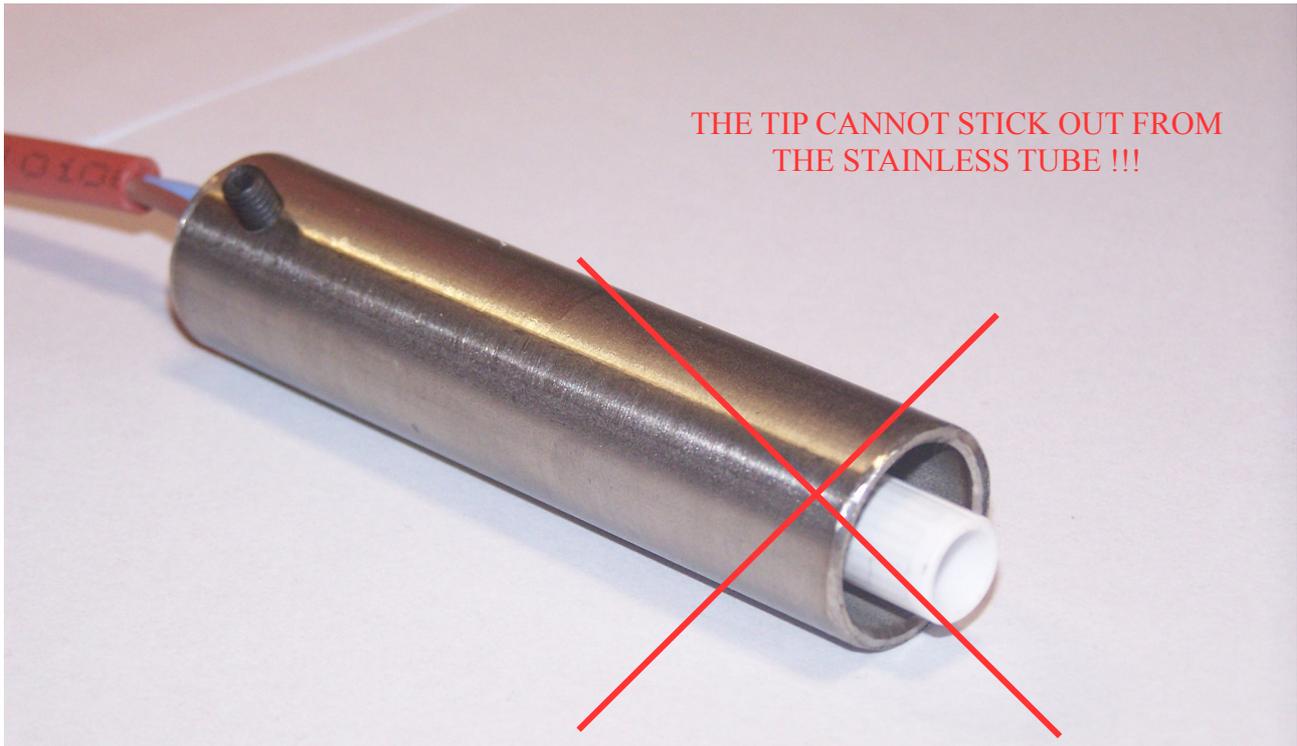
The stainless tube creates a protective housing for the ceramic lightener. At the rear of the tube there is a hole with M5 thread for a DIN 914 socket screw with cone point. The lightener must be placed such way that the socket screw lays inside the groove.



Looking at a tip of the lightener, the notch on the heating element should be on the right and the socket screw should be at about 45 degrees to the upper – right part of the stainless tube. Two cables at the rear of the lightener should lay in a vertical plane – one above the other. This will limit the movement of the heating element to a horizontal plane. Now the ceramic lightener can be gently inserted into the tube. The tip of the heating element cannot stick out from the tube! The optimal position is when the tip is inserted about 2 – 4 mm from the edge of the tube. The rear of the ceramic lightener can stick out from the stainless tube. When the lightener is in proper position, lock by tightening the socket screw.

This should be done by hand to avoid damaging the ceramic housing!





3. Install the ceramic lightener into a burner

At first check the clearance between heating element and the stainless tube. The lightener cannot touch the inner wall of the tube. There must be clearance all around the heating element.

A lightener port is located on a side wall of the burner. Check if it is clear of any fragment of pellets or other debris. Clean the lightener port if necessary. Slide the stainless tube with lightener in it to the lightener port. It should go all the way in. Two cables at rear of the lightener should lay in vertical plane. Then lock it in position by tightening a screw located at the side of the port.

