

## Assembling Instruction for Steel Burner for the HV15 bis HV50, BT2030, BT2050

### **ATTENTION:**

Before installing the parts of the burner, please make sure that the walls and the seating rim in reach of the bottom plates are properly cleaned. The better this is done the easier the assembly will be.

1.

Cut one of the delivered sealing straps to the width of the boiler (HV 15/17, HV24, BT2030 ca. 37,5 cm; HV35, HV50, BT2050 ca. 45cm). The sealing strap (fig. 1) should have a thickness of ca. 13 mm. (If not please split it in the middle so half the thickness is left.)

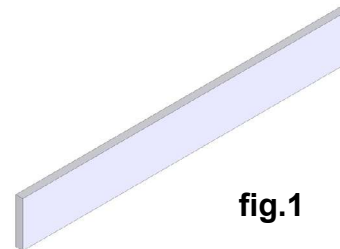


fig.1

2.

Place the strap against the front wall. Right now the inlet for the secondary air should be covered

3.

Now take the two side pieces of the steel burner and place them on the seating rim. The open side faces to the middle, as shown in figure 2. Push them against the front and all the way to the sides of the boiler.

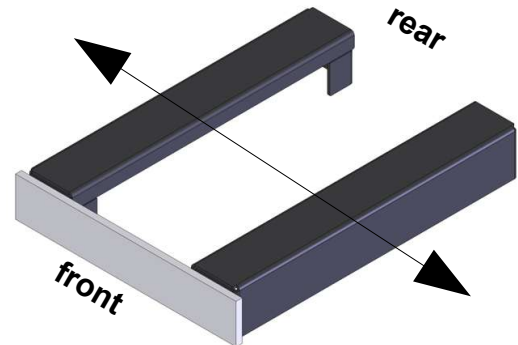


fig.2

4.

Put the middle part between the two side pieces the way that the square like cut out lays to the front. (fig. 3 and fig. 4)

Push the middle parts against the already placed sealing strap in the front. Then push both side pieces against the middle part. At the end there should be two similar wide spaces between the the side pices and the boiler walls on the right and left side.

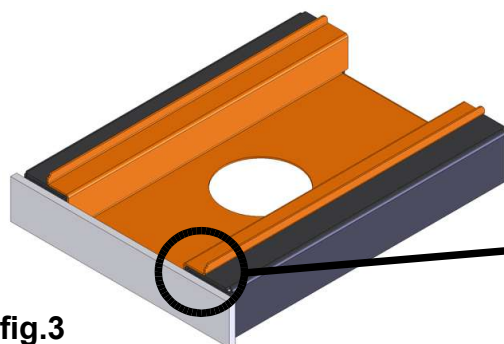


fig.3

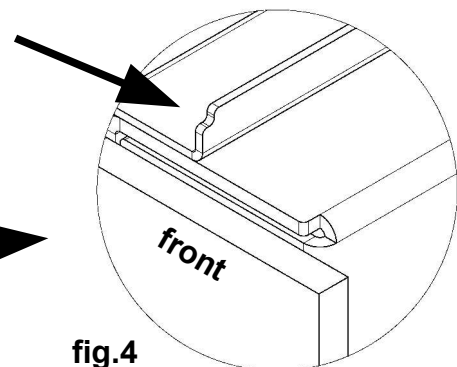
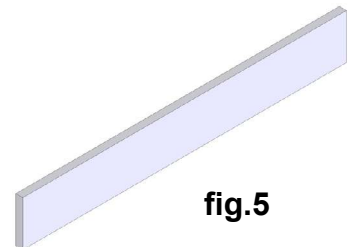


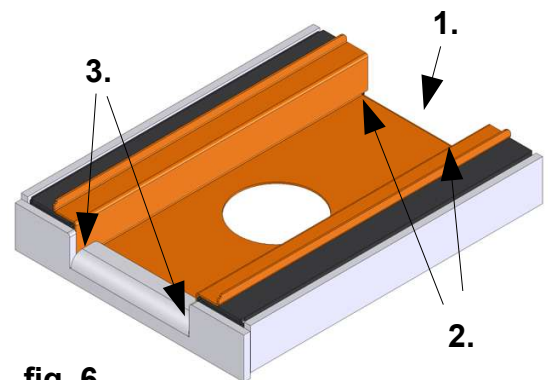
fig.4

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5. Seal the spaces between the side pieces and the boiler walls with a sealing strap (fig. 5) each. Work along the spaces parallel so you do not push the hole steel burner accidentally to one side. For stuffing the sealing strap into the gap, use a tool that does not cut through the sealing material.



6. Now seal the angular area at the rear of the middle part (fig. 6)(1.). Do this very tight so the middle part is pushed to the front against the sealing strap there. Please take care that the little holes (fig. 6)(2.) are well covered. Afterwards take the sealing strap in the front and push it to the surface of the middle part. Take care that the little holes (fig. 6)(3.) are also well covered.



7. Take the square angled steel plate (fig. 7)(4.) and place it at the rear of the middle part. After you have done this seal the gap between the boiler wall and the angled plate with the sealing strap across the whole length of the rear boiler wall.

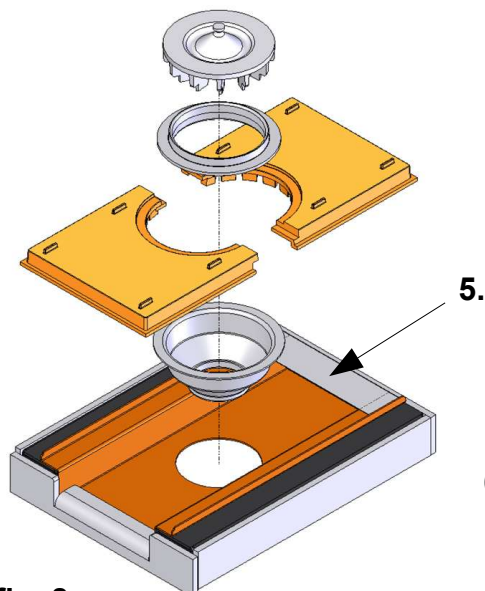
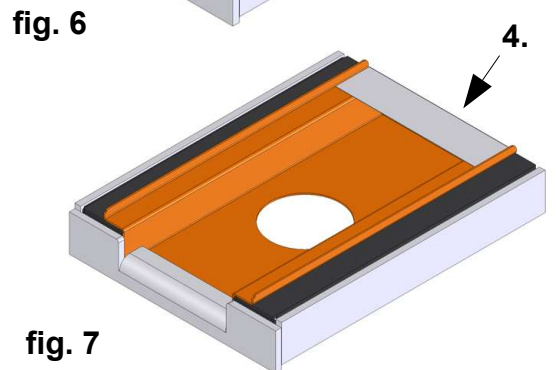


fig. 8

8. To control the air inlet for the secondary air please open the door of the air box on the front of the boiler and check if there is no sealing material blocking the air flow. If there is some material push it away through the pipe from the outside.
9. The further assembly works the same way as usual and is shown in figure 8

(10.)

Differing to the other boilers, for the HV 15 and HV 17 a distance steel plate has to be placed between the back upper burner plate and the boiler back wall (fig. 8)(5.) This has to be done to take care that the upper burner plates are not moved.