

Replace weight sensor

In this document you will find a description how to replace the weight sensor in the Smartb

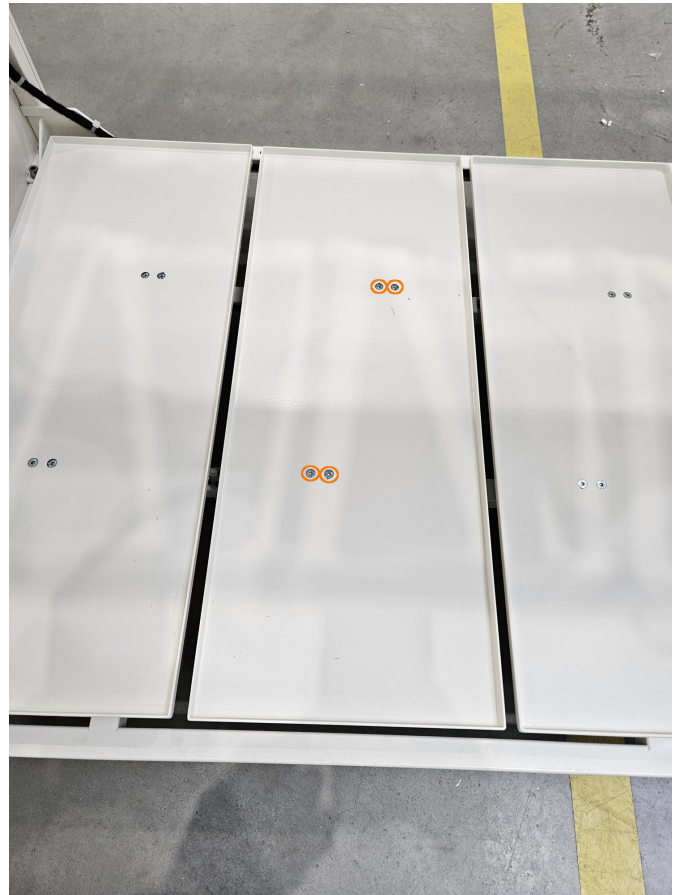
You will need:

- a new weight sensor kit
- a set of allen keys
- trimmers
- cutters

Before replacing disconnect device from the power supply!

Step 1 Unscrew the top floor

- The top floor is bolted directly from the strain gauge beams
- Unscrew the 4 screws marked on the picture

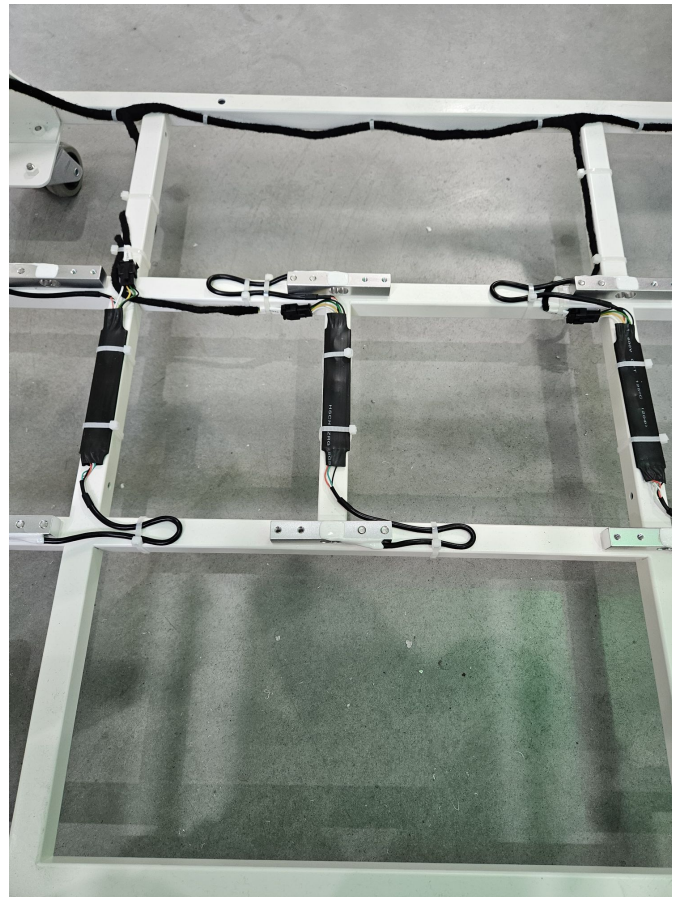


Step 2 Unplug the sensor

- Unplug the sensor



Step 3 Remove zippers



Step 4 Unscrew sensor form frame

- There are two bolt (for each load cell) form bottom (alen key 4)

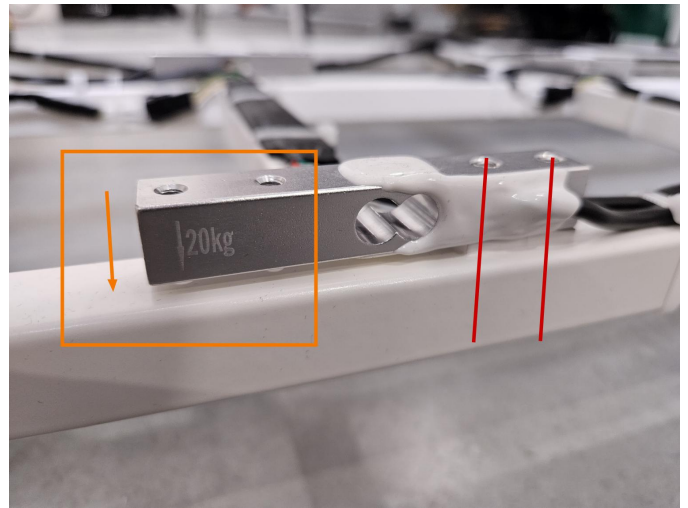


Step 5 Set new sensor

Pay special attention to the direction! The beam has an arrow drawn on it. This arrow should point down and be on the opposite side of the mounting screws to the frame! (see photo below)

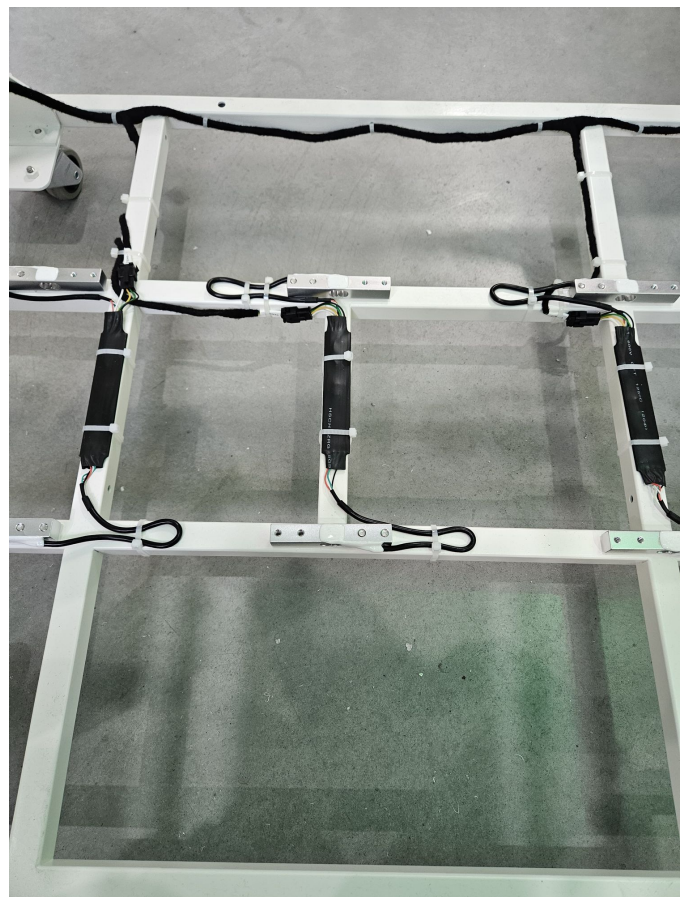
On the front of the device, the arrow should be on the left and on the back on the right.

- first place the beams in their final positions
- screw the first one (closer to the front door)
- then the second one at the back similarly to the description (on the back it is on the other side)



Step 6 Secure cable and PCB with zippers

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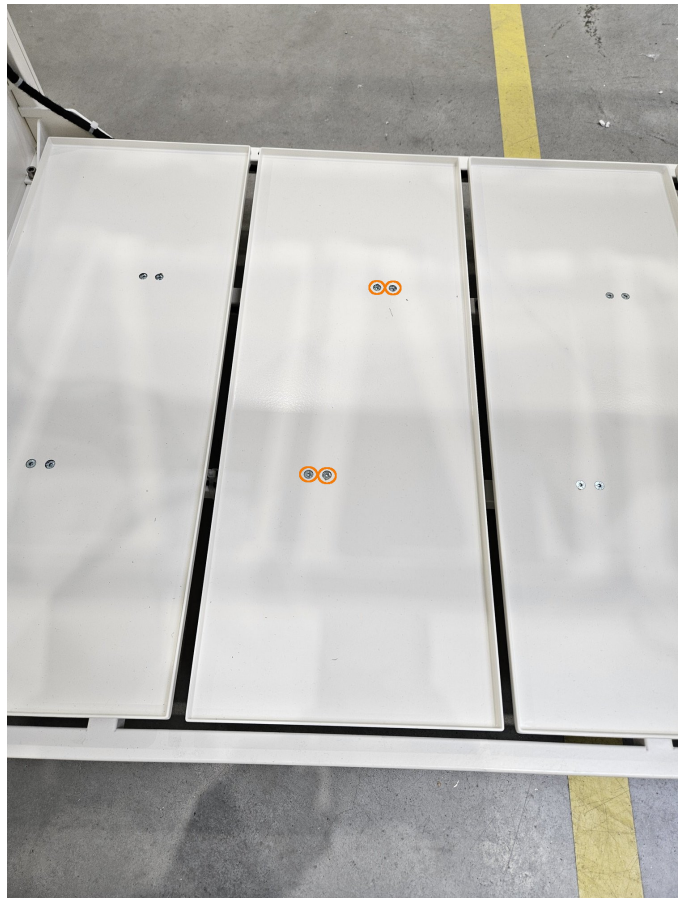


Step 7 Plug in a new sensor



Step 8 Screw floor again

The floor is not symmetrical! Orient it similarly to the others!



Step 9 Wiegth calibration

Full calibration is required after load cell replacement. THIS IS A DIFFERENT CALIBRATION THAN ZERO CALIBRATION FROM THE MENU. Right now there is no possible full calibration from user menu.

Calibration consists of 4 stages

1. empty beam
2. load placed at the back
3. load placed in the middle
4. load placed at the front







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