



PTB • Postfach 33 45 • 38023 Braunschweig • Germany

Your reference:

Your letter of:

My reference: 6.3-RB

My letter of:

To all users of the upgrade version of the  
Beta Secondary Standard 2 (BSS 2)

Handled by: Dr. R. Behrens

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## Information for the users of the upgrade version of the Beta Secondary Standard 2 (BSS 2)

Dear Sir or Madam,

Dear user of the upgrade version of the [Beta Secondary Standard 2 \(BSS 2\)](#),

We would like to inform you about a modification necessary to the BSS 2 for use with an [upgraded control unit](#), see below "*Instructions for use for changing the angel sensor board*", pages 2-4.

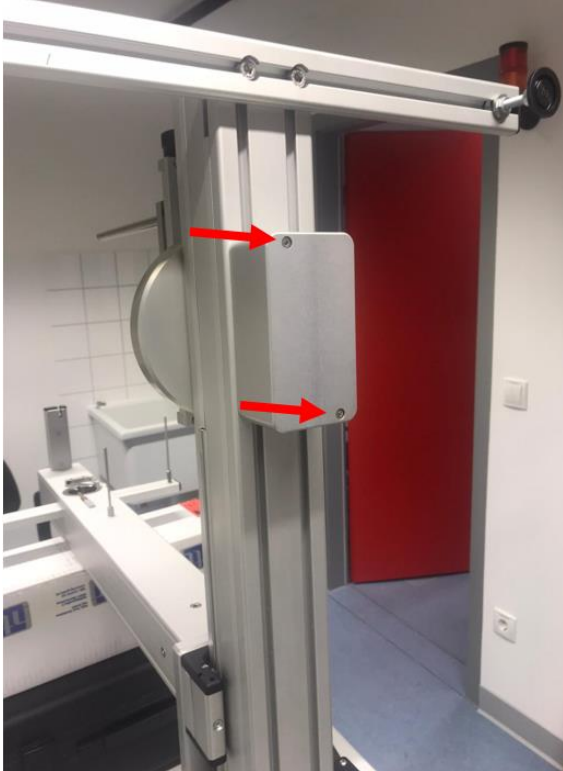
For general information on the BSS 2, its Operation Manual can be downloaded from the manufacturer's website: [www.ezag.com/de/startseite/produkte/isotope-products/isotrak-calibration-sources/downloads/operation-manuals.html](http://www.ezag.com/de/startseite/produkte/isotope-products/isotrak-calibration-sources/downloads/operation-manuals.html).

Kind regards,

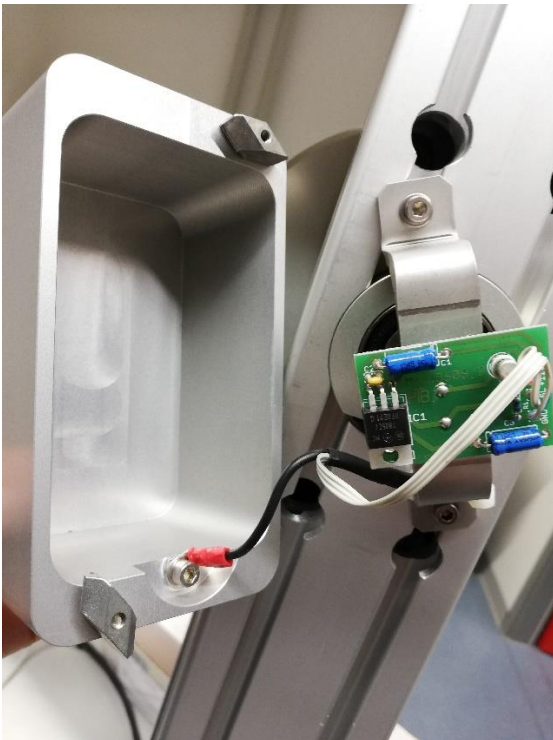
Dr. R. Behrens

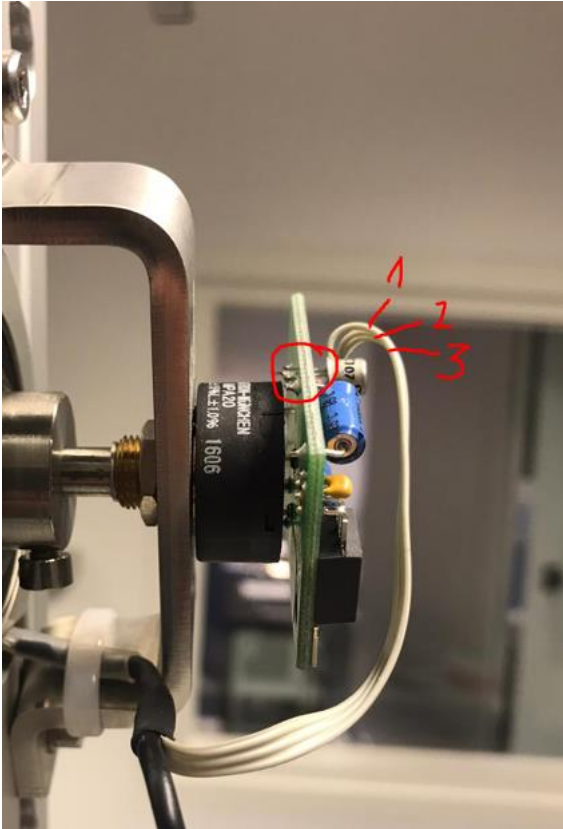
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## Instructions for use for changing the angle sensor board

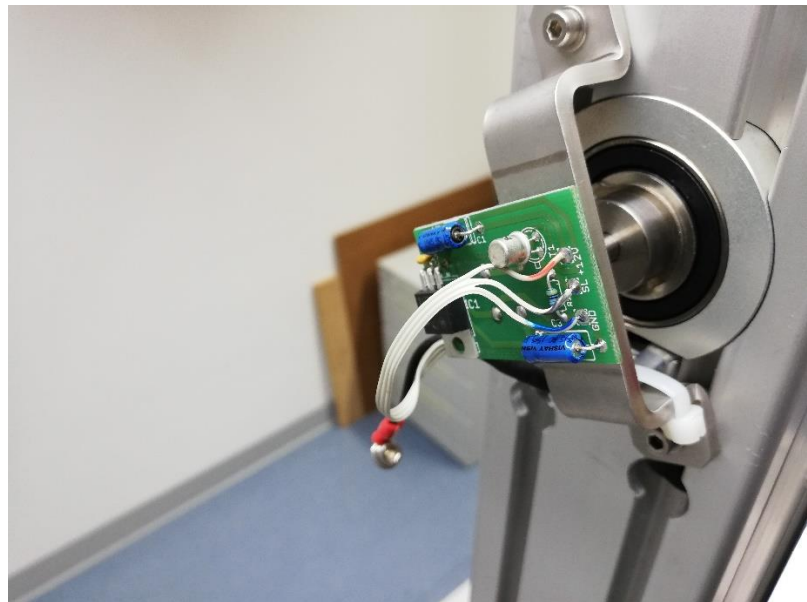


Please tilt the BSS2 irradiation unit by 90 degrees and open the two screws (see the red arrows)



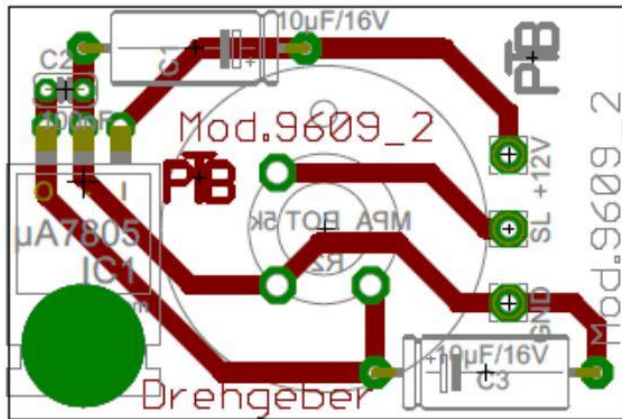


**Marked red:** the three white cables. it is best to mark them briefly with a pen (1,2,3 or with colors) and solder them on again in the same way (1,2,3) after replacing them by the new board (previously sent to you).

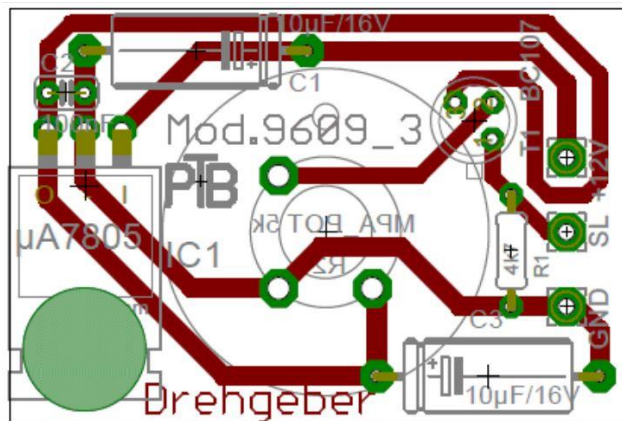


**marked red:** desolder the 3 soldering points of the board for replacement and then solder them again with the new PTB board

For your information:



the old layout



the new layout

Finally, put the cover with the two screws on it and perform the calibration with the software (+90 and -90 degrees), see subsection 3.4.7 “Angle sensor” in the operation manual (version as of 2018-11-16).