

This short manual describes the necessary steps and tools to successfully open the VariPol series of Schmidt+Haensch polarimeters for the purpose of inspection and troubleshooting.

It is intended to be used by technical personnel in direct communication with Schmidt+Haensch.

### **Required tools and preparations:**



Place the instrument on a clean, soft surface (antistatic mat) to avoid scratches and other damage.

Remove all connectors including the mains supply. Remove the display by pulling on it in an upwards direction.

### **Make sure you have the following tools at hand:**

A set of metric Allen (Hex/Inbus) Keys including the sizes 1.5, 2 and 2.5mm

A tray to keep track of removed components and screws (recommended)

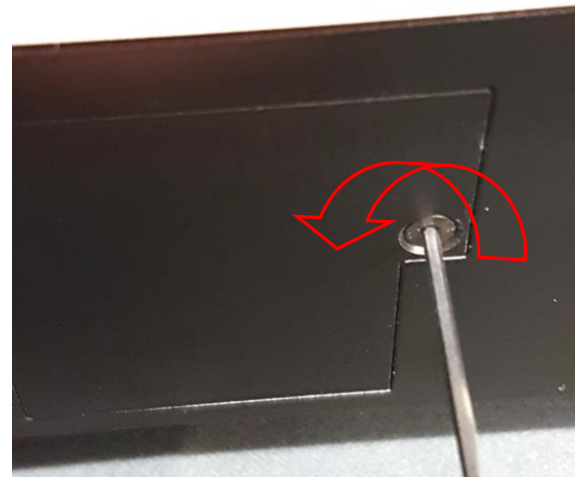
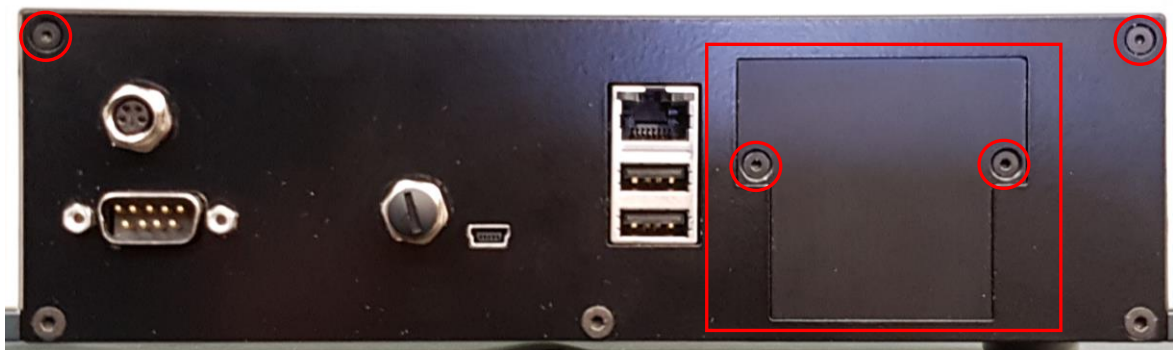
Plastic-safe prying tools (recommended)



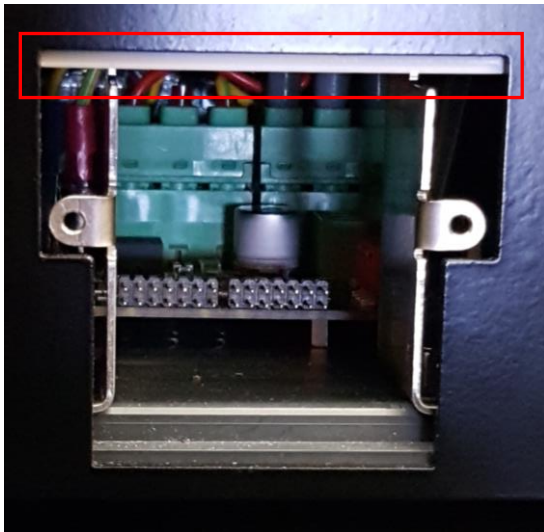


Turn the instrument around and identify the rear panel.

Locate the marked screws and remove them by turning them counter clockwise.



**Remove the Expansion-Port Cover first and always replace it last!**  
During reassembly, it can collide with the hood and cause damage to connectors and Mainboard!

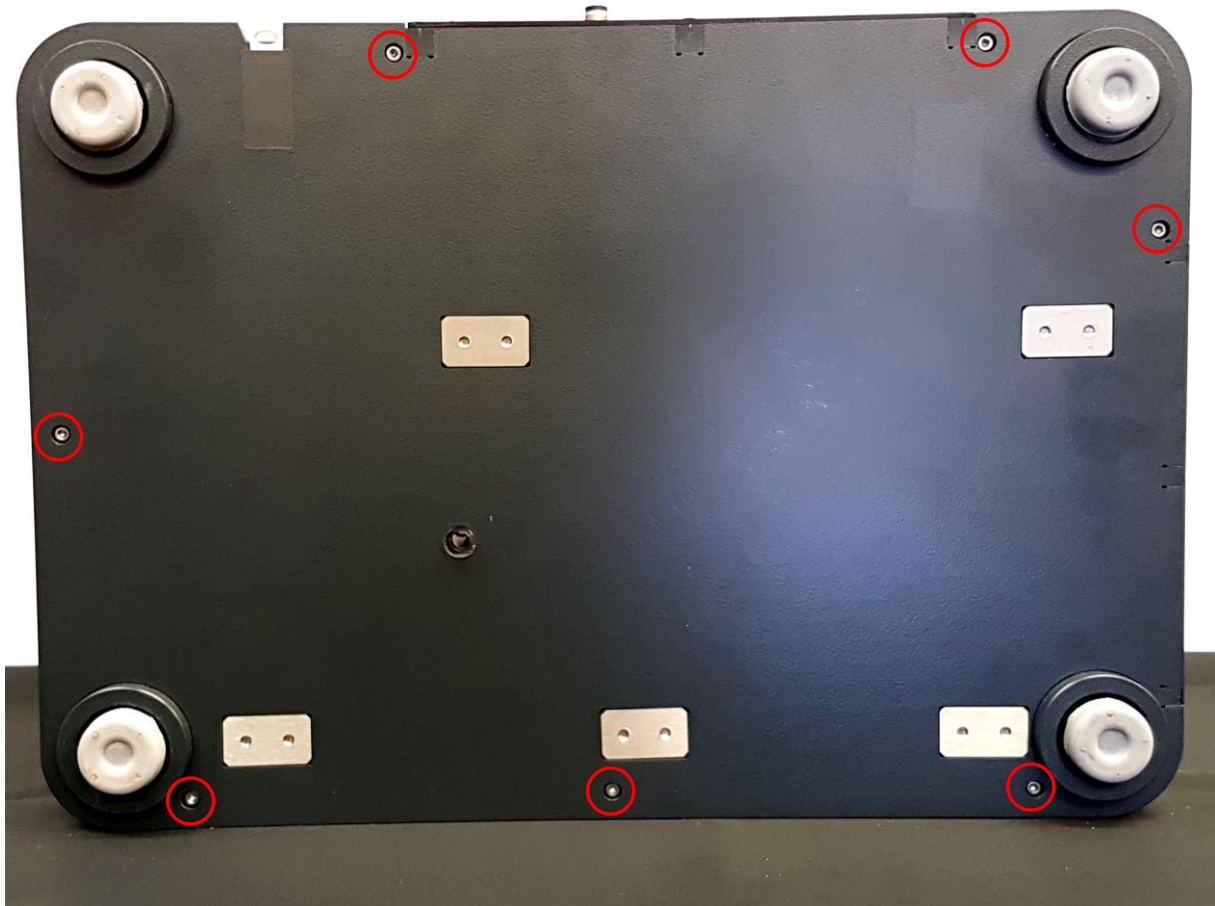




Turn the instrument sideways and identify the dust filter cover.

Locate the marked screws and remove them by turning them counter clockwise.





Carefully lay the Instrument on the front and locate the marked screws.

Remove them by turning them counter clockwise.

Screws may be of different lengths to accommodate manufacturing tolerances.

Make sure to place them back in the position you removed them from during reassembly.





The hood is held by tension in the material in addition to the the screws you just removed.

To remove the hood from the instrument, you will have to gently pry and increase the gap between the base and the hood first.

We suggest using a prying tool similar to a soft guitar pick to achieve that.

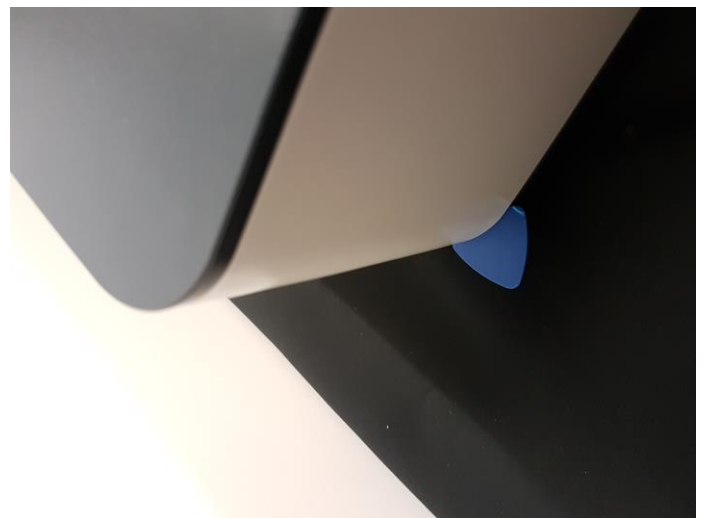
Follow the gap between the hood and base around the instrument and gently lever to increase it.

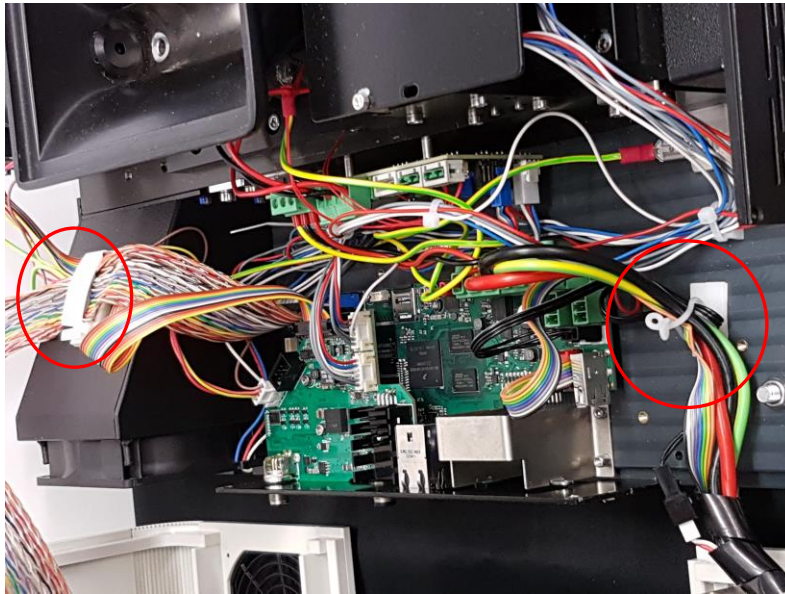
This may not lead to complete separation, but will make the following steps a lot easier.

Try pulling the hood up by holding it by the front left and back right corner.

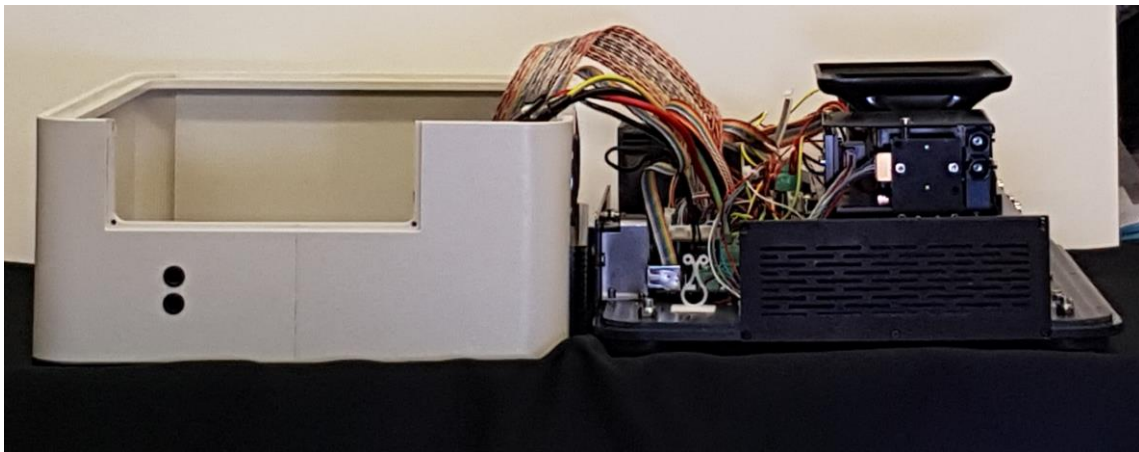
If this fails, lift the entire instrument up about 4cm and gently shake it until the bottom falls out.

**Hood and base are still connected by wires, so be careful when you further separate them.**





Once you lifted hood up far enough to reach the inside, open the marked cable management ties to achieve more freedom in placement of the hood to perform the desired tasks inside.



To close the instrument, please follow the steps in reverse.

Initial placement of the hood can be problematic, please look out for stray cables and make sure all openings are aligned and do not lever against the hood.