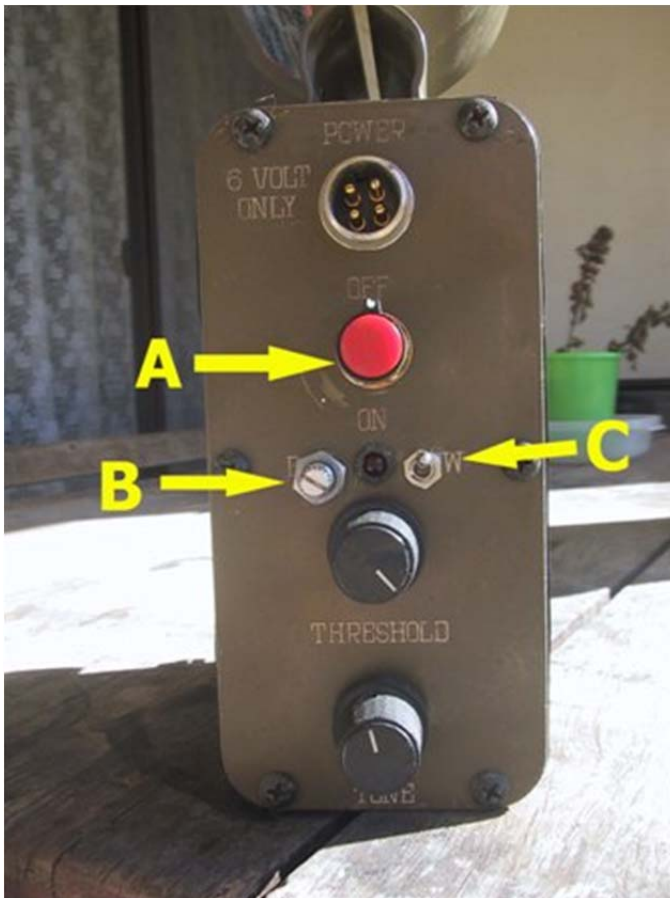


Mod Instructions

This hopefully explains the latest modifications on the SD2000 and how to use them. Please be aware that the pictures used in this document may vary between detectors due to other mods performed outside of Minelabmods. The basic concept will be the same and any additions performed although their position might differ the controls will always function the same and their orientation will be the same. Example: a switch or knob function will be the same, clockwise engages mod or up and down for a switch.

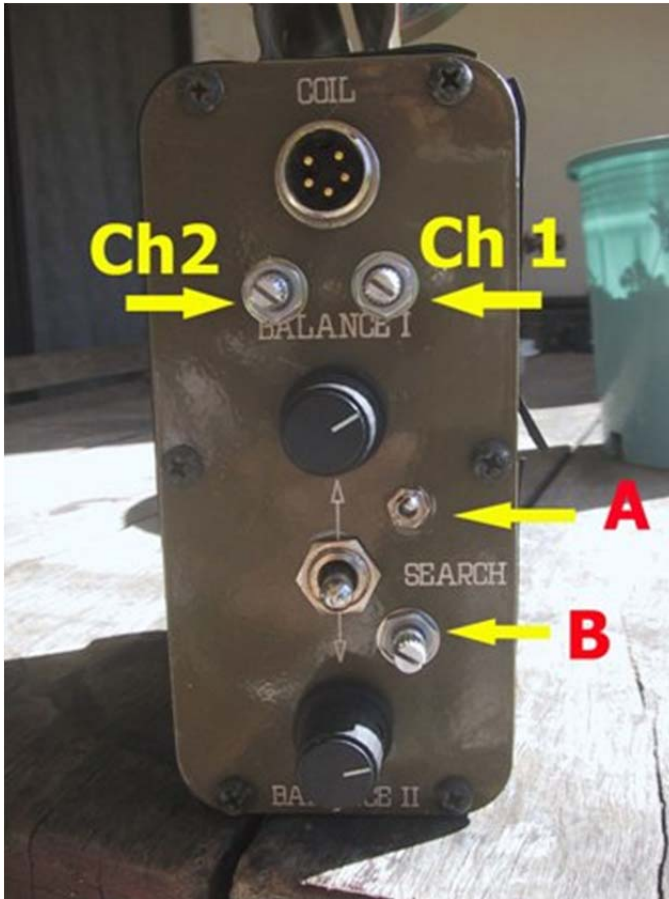
POWER PANEL CONTROLS



The picture to the left shows the power panel and the controls.

A: This is a combined on-off and 4 frequency control. Starting in the up position we have OFF followed clockwise by 1,2,3 and 4. Number 1 position is for the standard frequency around 2.0Mhz. This is good for deep targets. Number 2 is 2.4Mhz and has better sensitivity and is good for both deep and sensitive and should be used as an alternate to position 3. Number 3 is 3Mhz and is a very sensitive position for small gold. Lastly position 4 works in conjunction with control and switches B & C and implements the VCO. The VCO is a variable frequency control that allows you to fine tune the detector to get the quietest and most stable frequency. This is a manual system similar to auto tune functions on the GP series (and also the

SD2200). The one big difference is the frequencies that are available to you. With switch C in the down position you can go from around 900khz (0.9Mhz) to 1.3Mhz and will give extreme depth on targets of 1 oz and above. Do not use these frequencies if looking for anything small. To tune you just rotate **very** slowly to get the best stability and quietness. The frequency is adjusted from fully counter clockwise (Lowest) to clockwise (Highest). With switch C in the **UP** position your frequencies are from 2.8Mhz to 3.2Mhz. This gives a good range on very small down to Medium to large targets. When fully CCW (2.8Mhz) it appears that the SD2000 works very well and seems to be a very good overall frequency. As with any mod practice and testing will give you the best indication of the performance of the detector and so I suggest you do as much testing as possible to get familiar with the different frequencies. When in the Low frequency (down position) test with large targets from around 1 ounce or more or even flattened aluminum cans. Remember that the low frequency is really for large deep targets not small.



COIL SIDE CONTROLS

The top most controls are the GPM mod. These are to adjust sensitivity and gain on the receive of the detector. To adjust these I suggest you first use a 5 gram or larger test target (especially for the low frequencies as described previously). First balance the detector as normal and then put the balance switch to channel 1 and wave the coil over the target whilst slowly adjusting the channel 1 GPM knob. Each time slightly raising the detector to ascertain the best performance and response to the target. In almost all circumstances this can be at or near full clockwise for channel 1. Once finished put the Balance switch to the channel 2 position and repeat for channel 2 GPM Knob. This time you may find that the most you can use is up to $\frac{3}{4}$ of the turn range. Channel 2 is the "Sensitive" channel and is used for the smaller

targets. ***(Fully CCW on the GPM controls is standard 2000 position with no increase in gain)***

Switch A & B are no longer used as not all 2000's worked with it.

Well that is all there is to the controls but feel free to contact me at ij@minelabmods.cm if you need further assistance.