

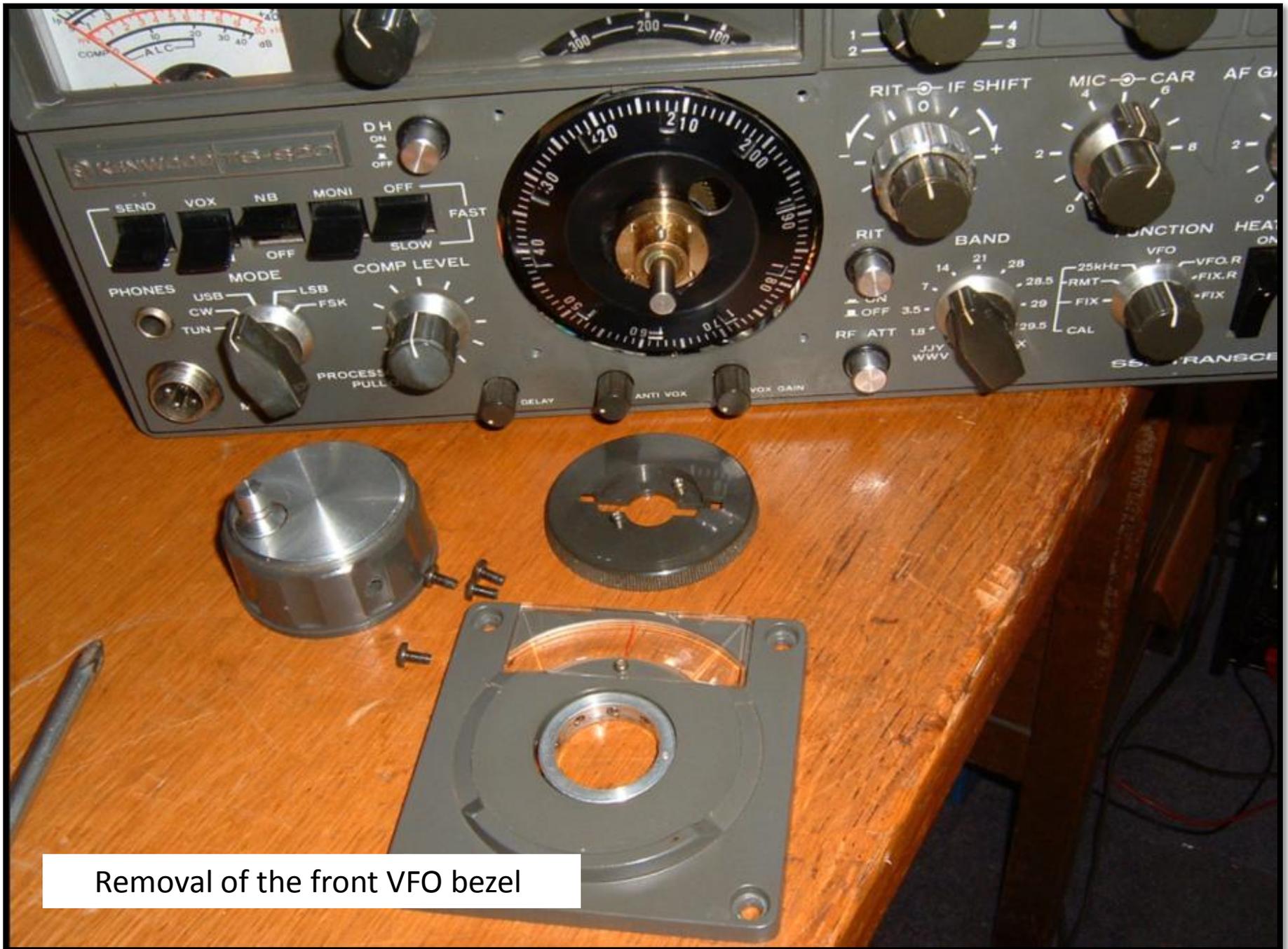
The TS-820S with covers removed



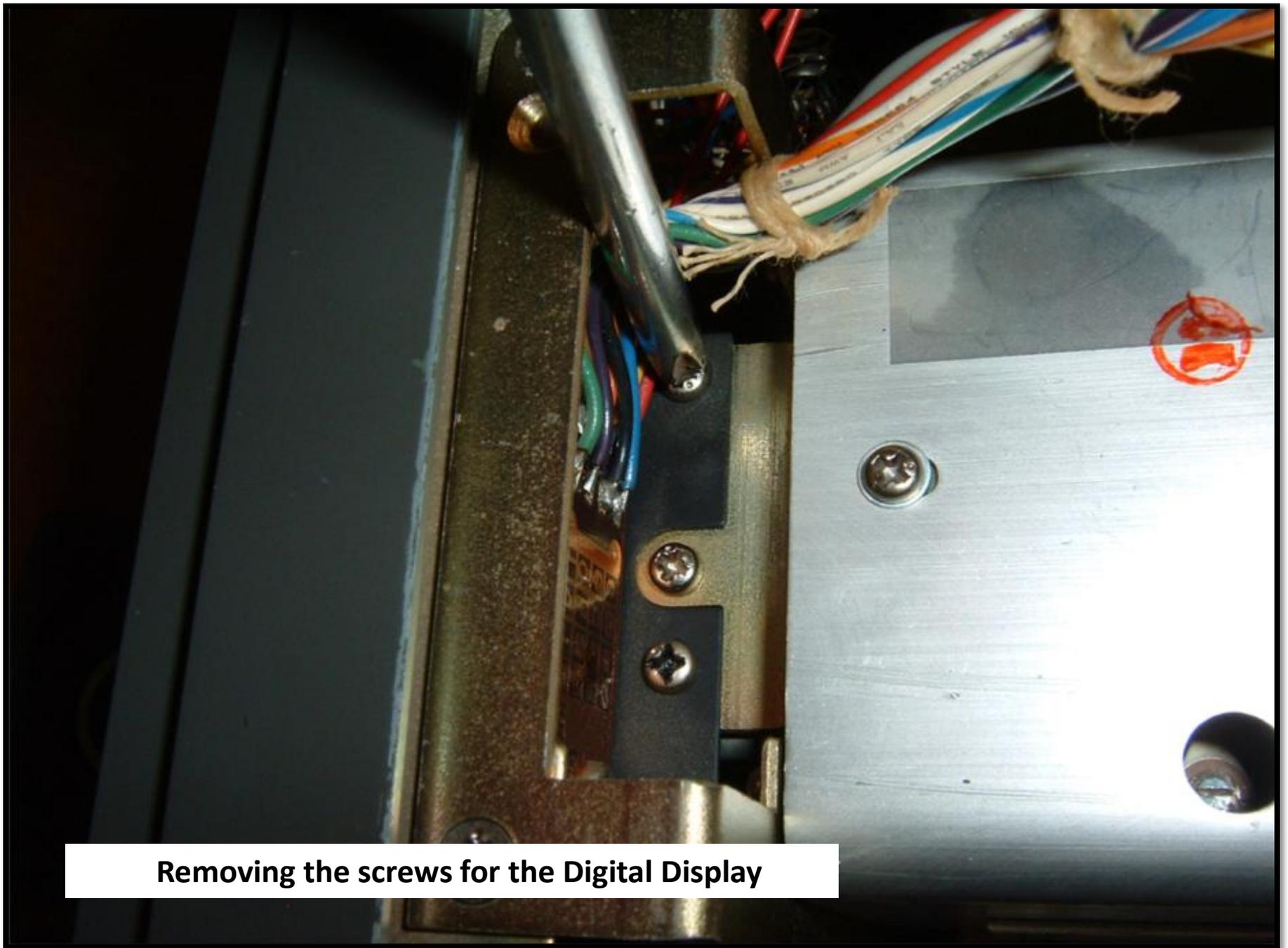
The Front Knob Removed



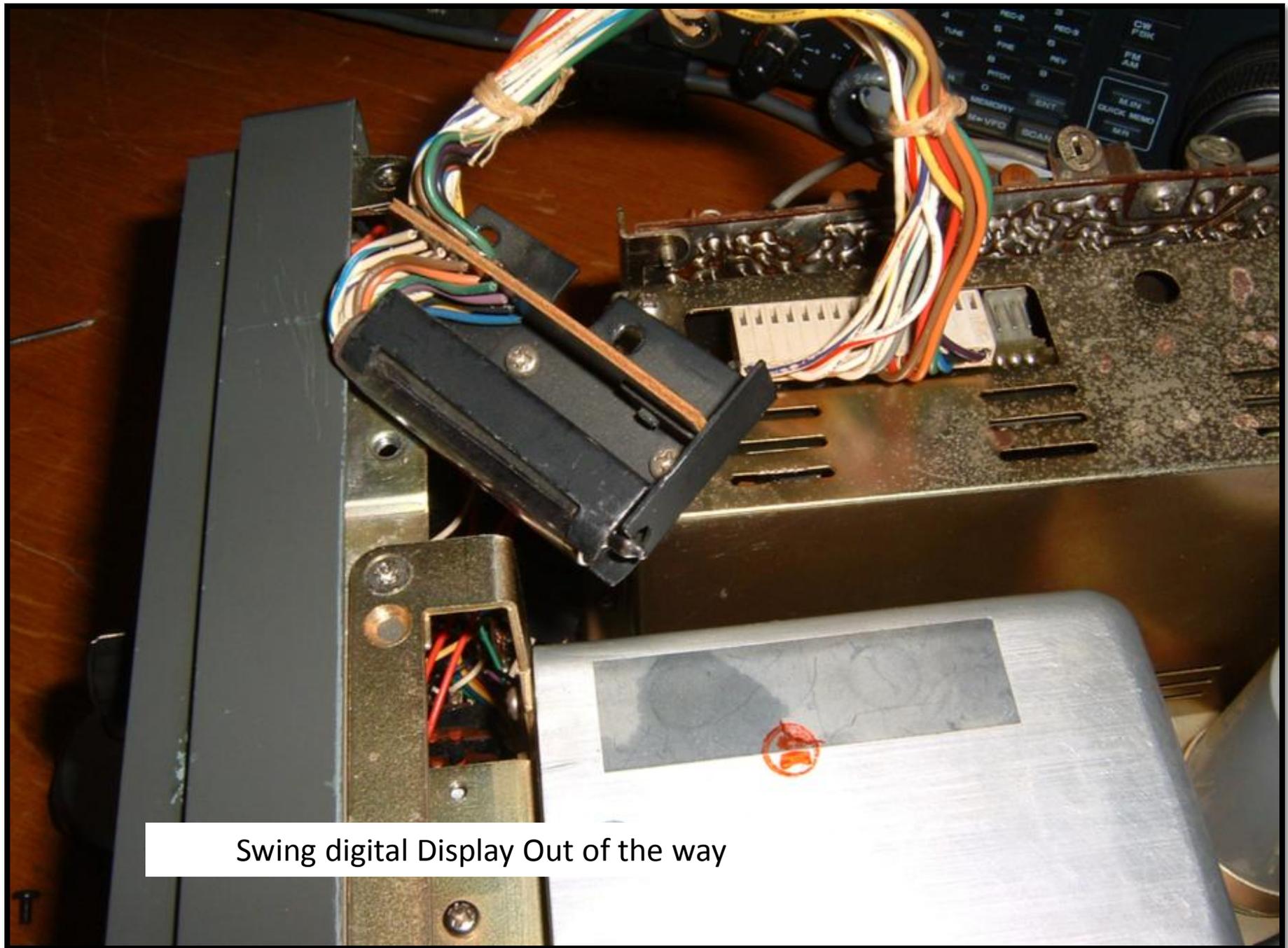
Removal of the Knob and the Frequency Adjustment Wheel.



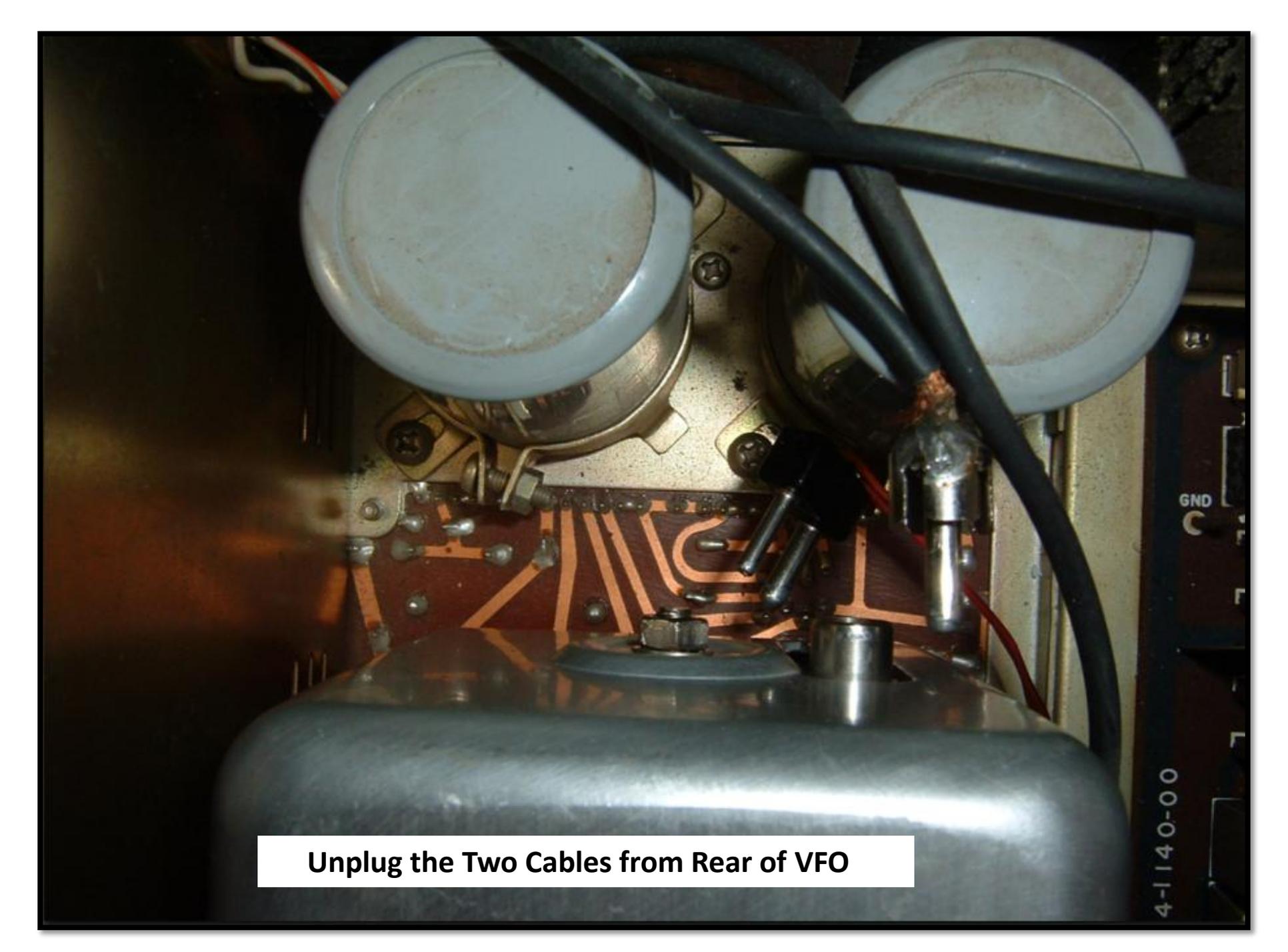
Removal of the front VFO bezel



Removing the screws for the Digital Display



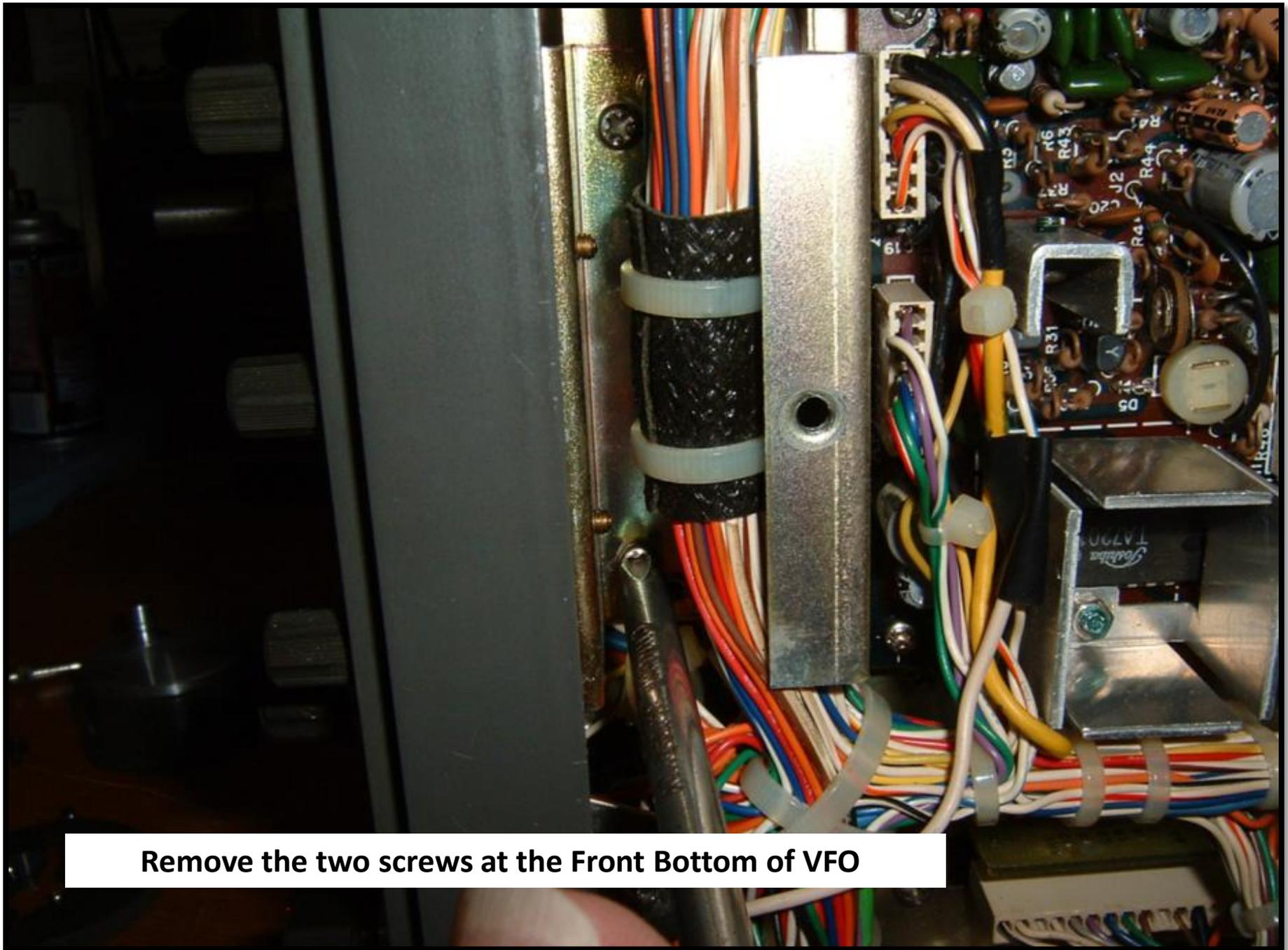
Swing digital Display Out of the way

A close-up photograph of the rear panel of a Variable Frequency Oscillator (VFO). Two thick black cables are plugged into connectors on the right side. The panel is metallic and features a copper-colored printed circuit board (PCB) with various components, including a large silver cylindrical component at the bottom. A white text box is overlaid at the bottom of the image.

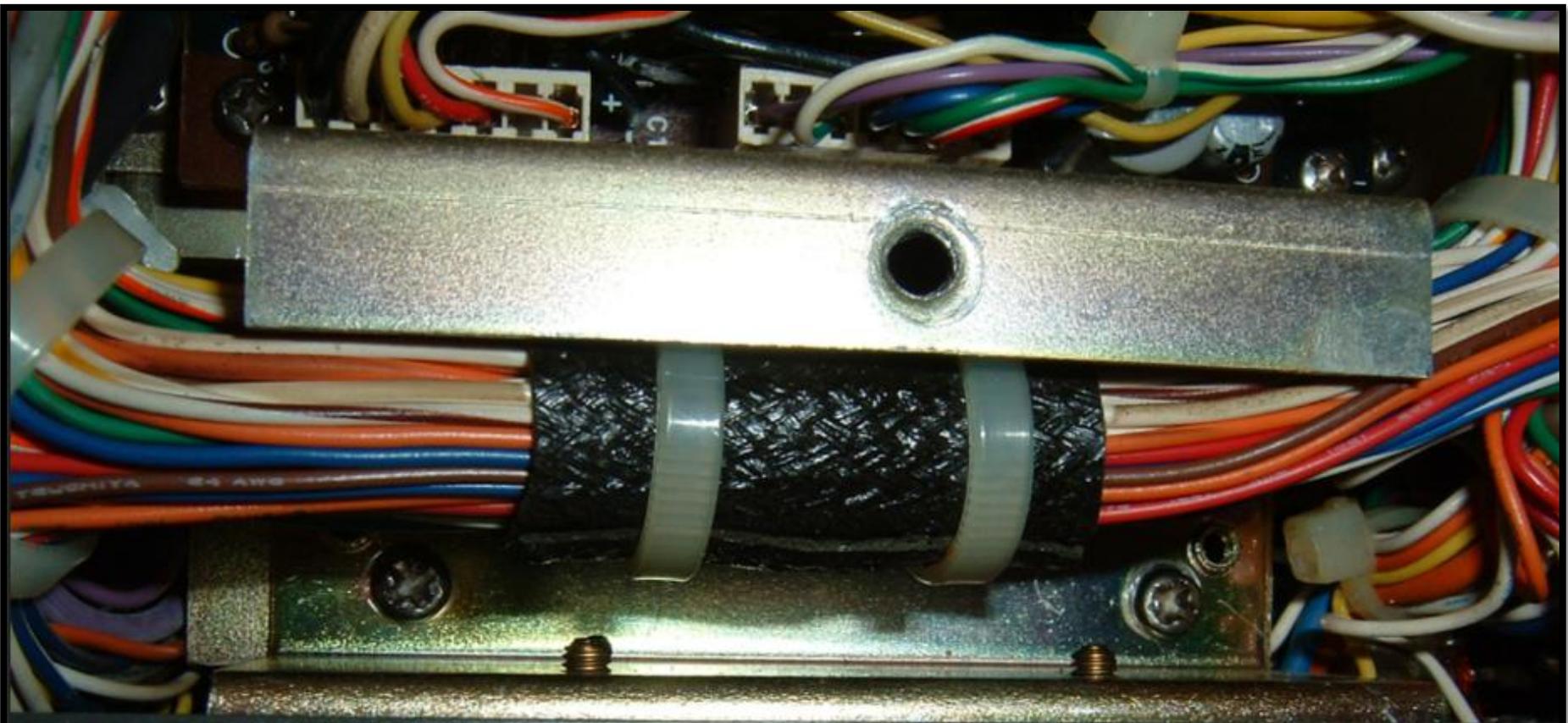
Unplug the Two Cables from Rear of VFO

GND

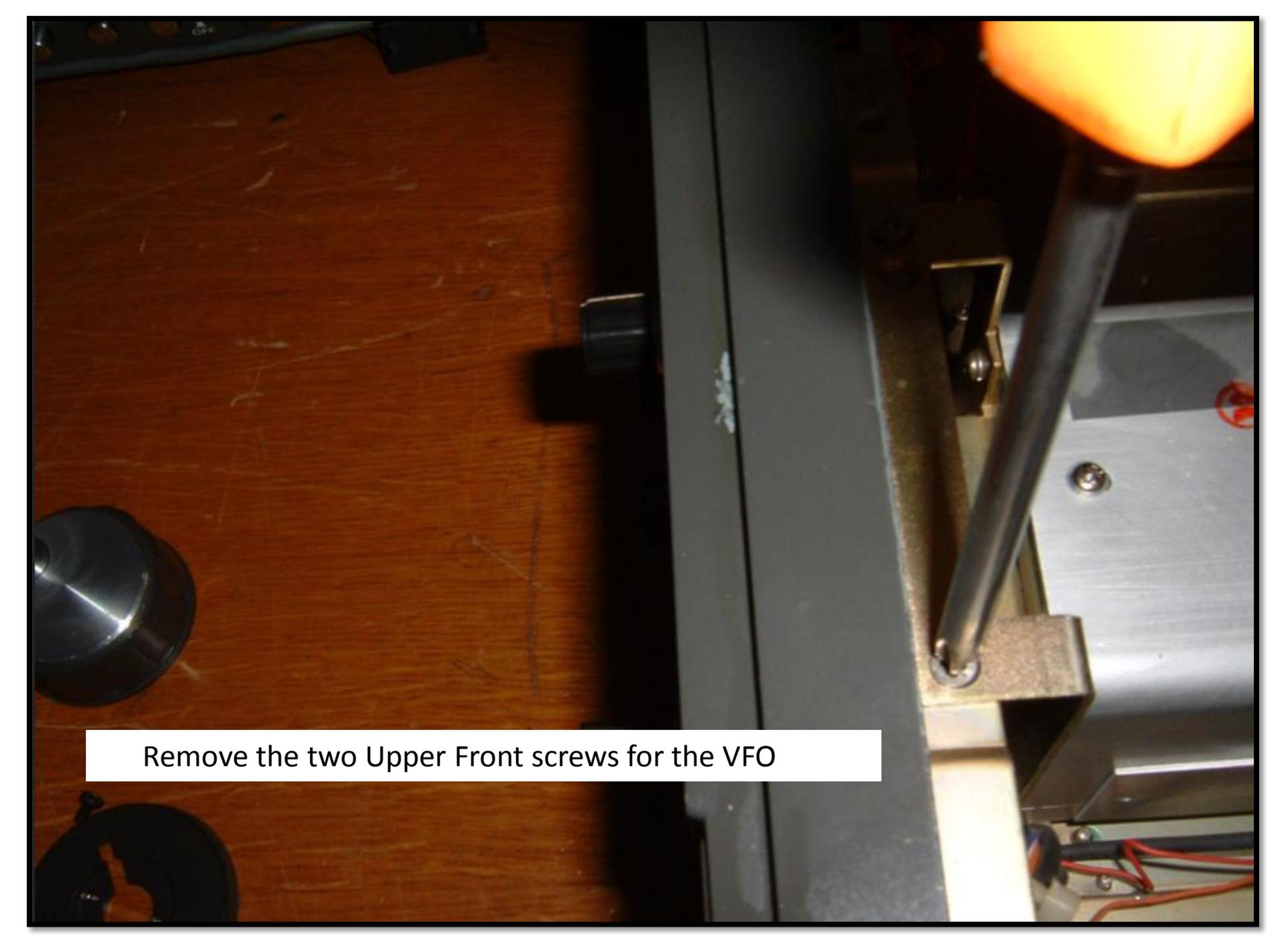
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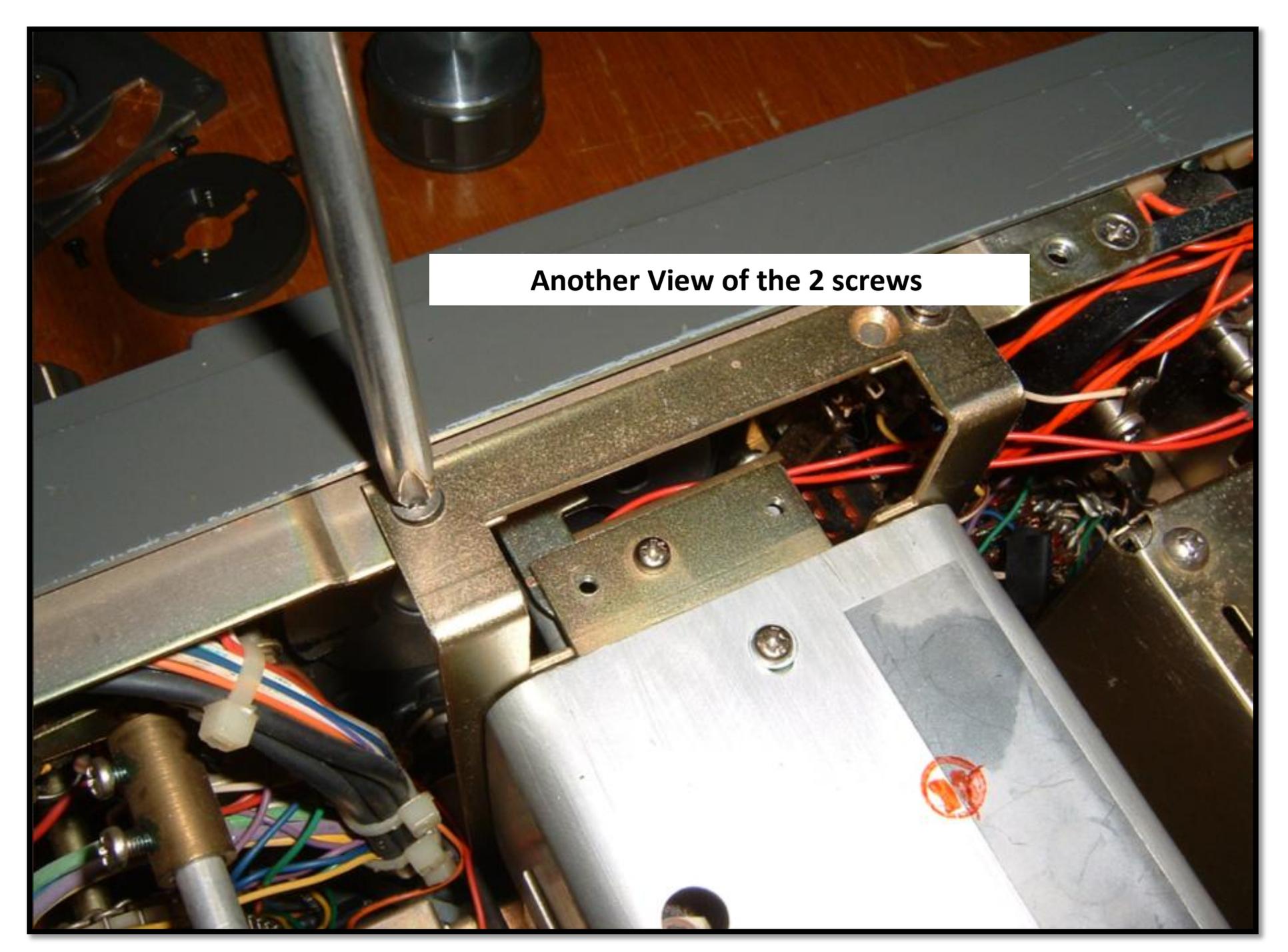
Remove the two screws at the Front Bottom of VFO



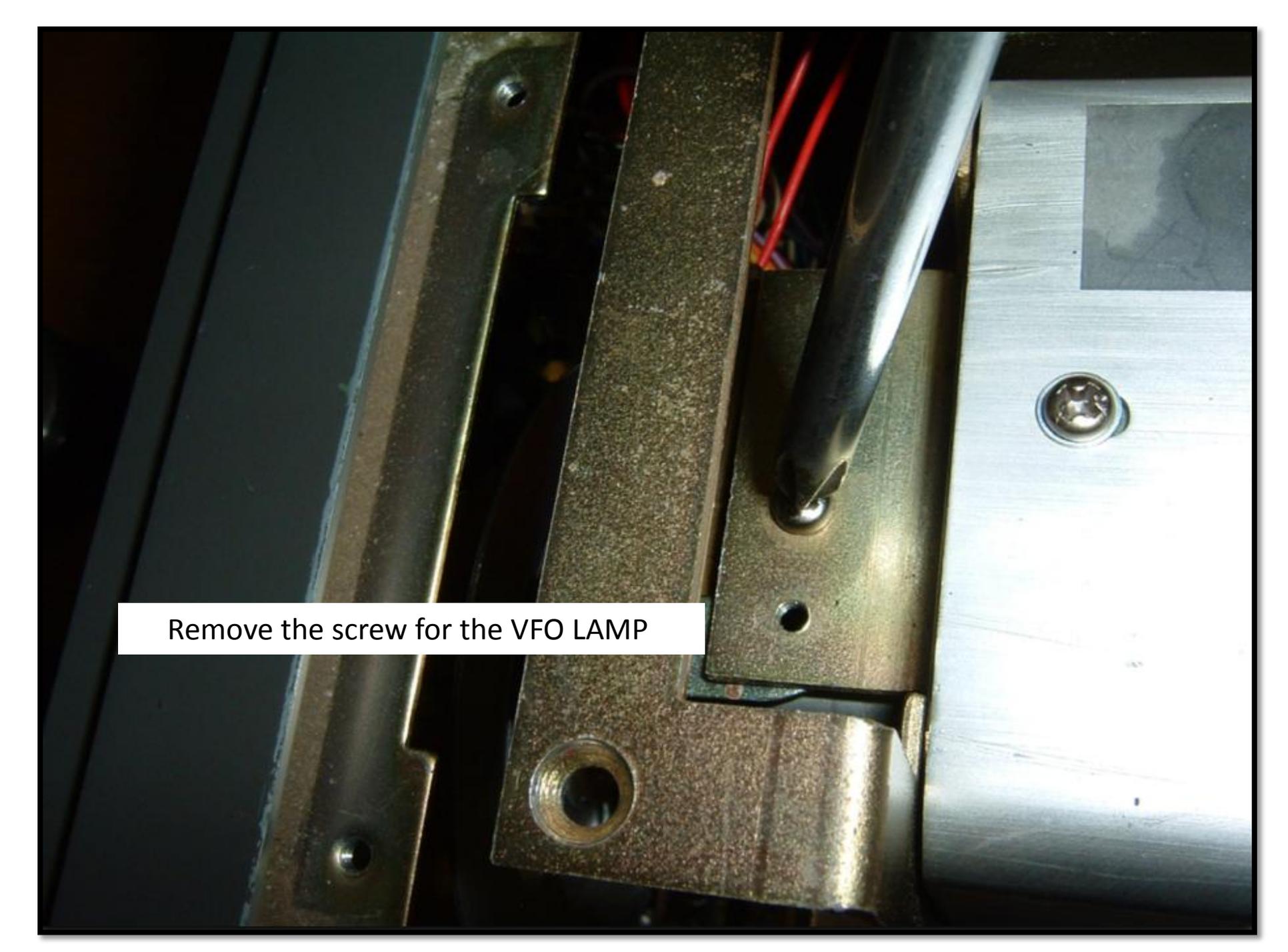
Another View of the two Lower Screws for the VFO



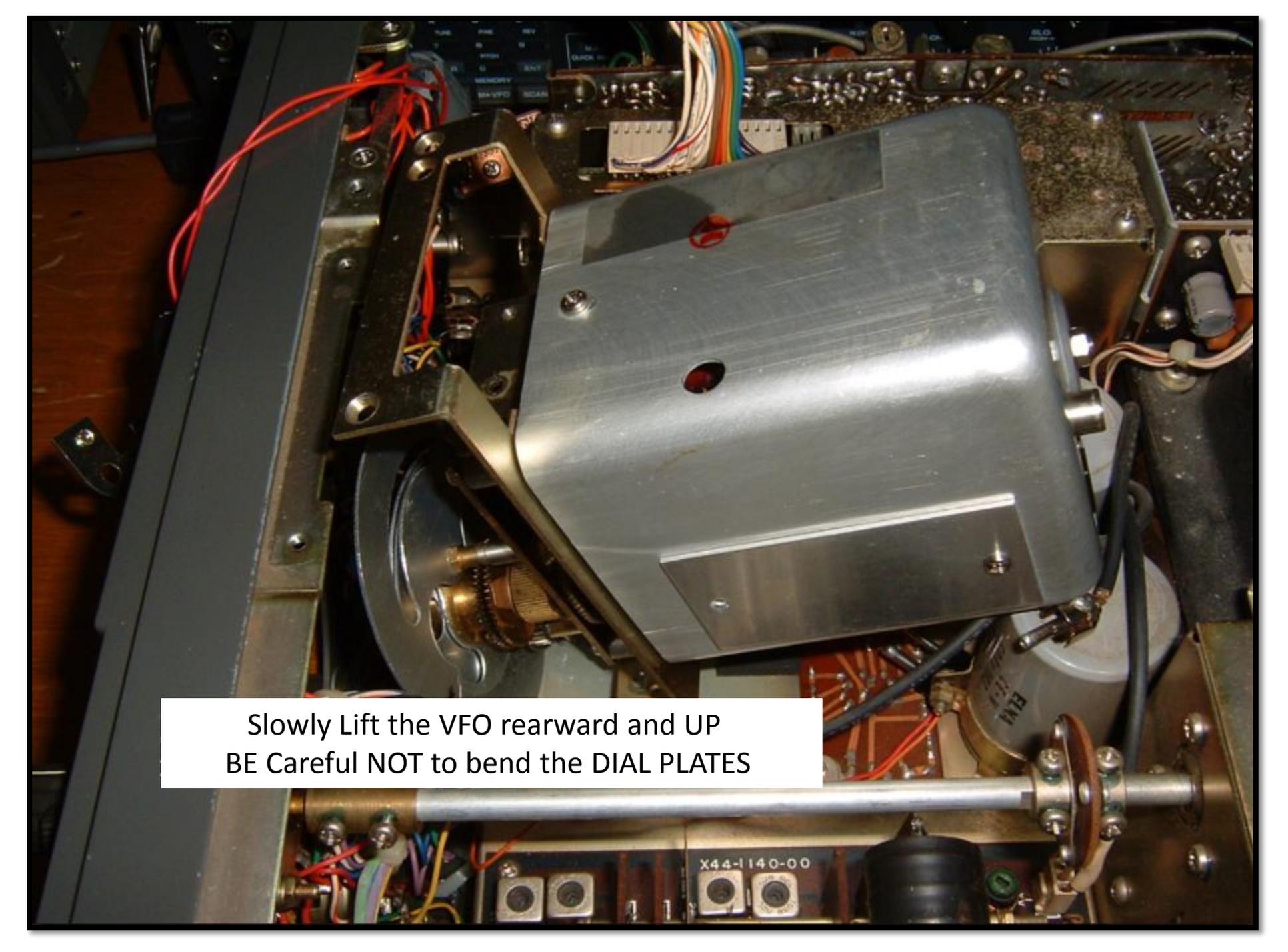
Remove the two Upper Front screws for the VFO

A close-up photograph of a mechanical assembly, likely a motor or actuator. The assembly consists of several metal components: a grey outer housing, a brass-colored metal frame, and a silver-colored metal block. A screwdriver is positioned vertically, pointing towards a screw on the brass frame. The silver block has two screws and a red circular stamp. Various colored wires (red, blue, green, yellow) are visible, some bundled together. The background is a wooden surface.

Another View of the 2 screws

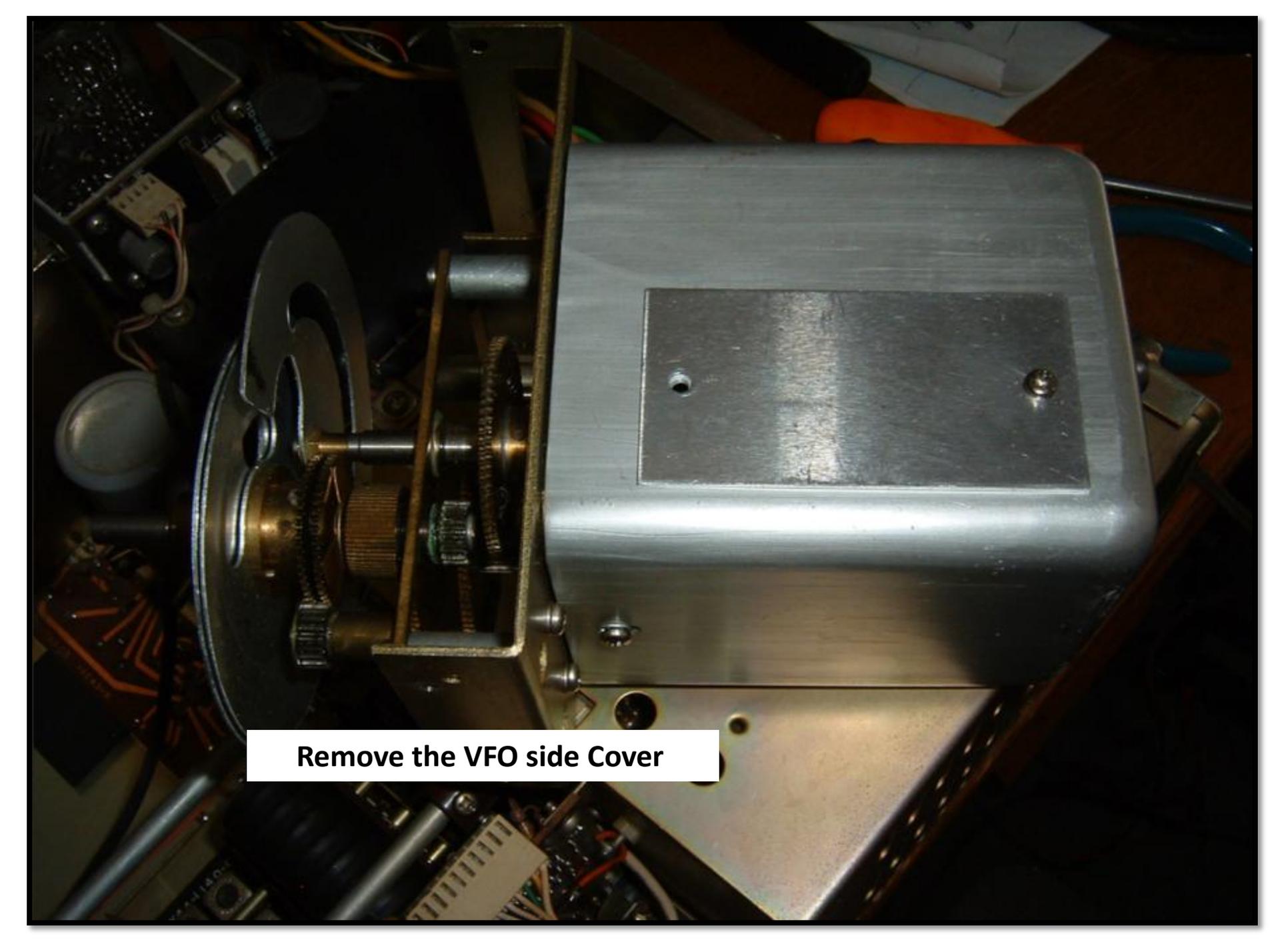


Remove the screw for the VFO LAMP

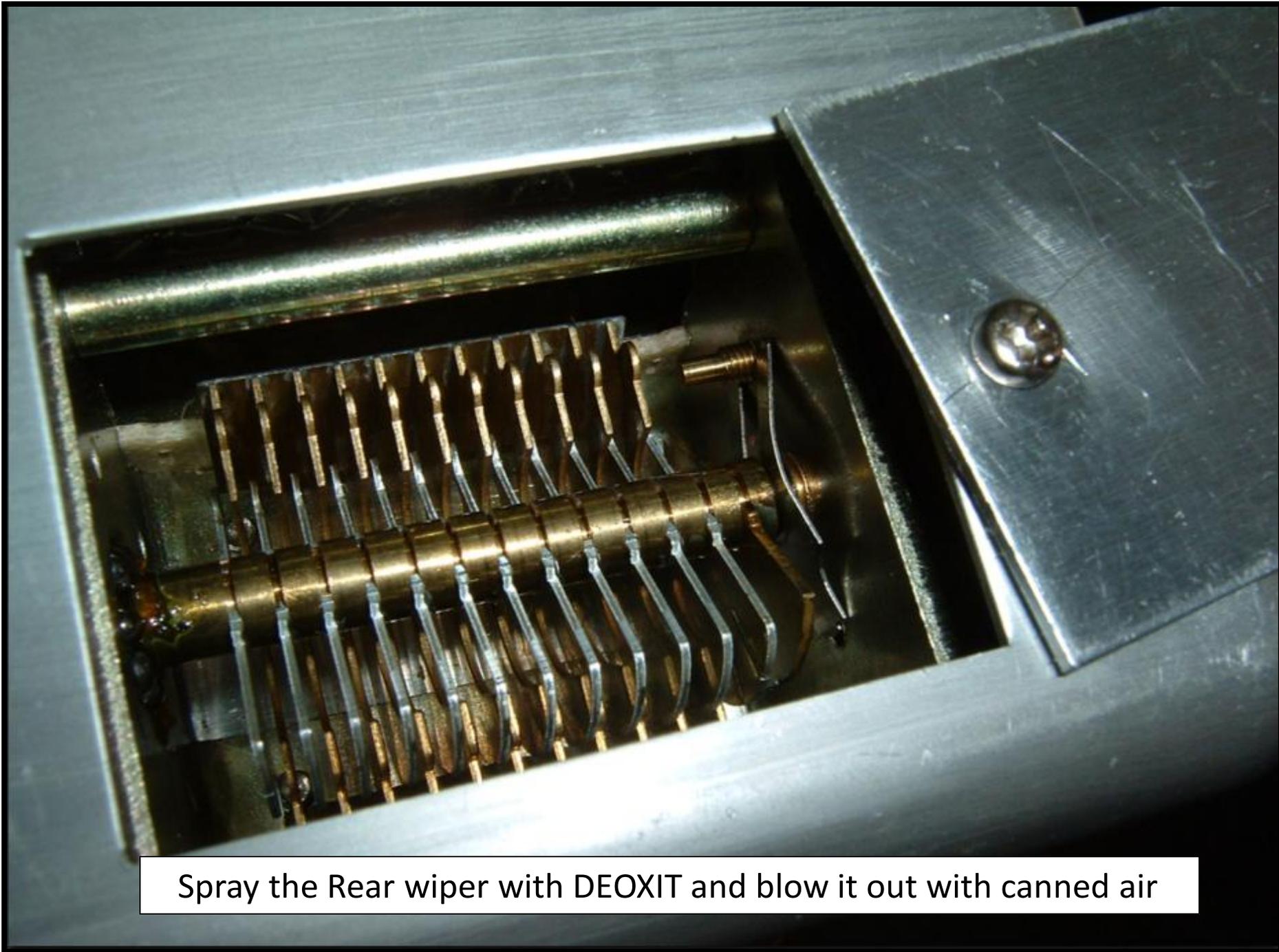


Slowly Lift the VFO rearward and UP
BE Careful NOT to bend the DIAL PLATES

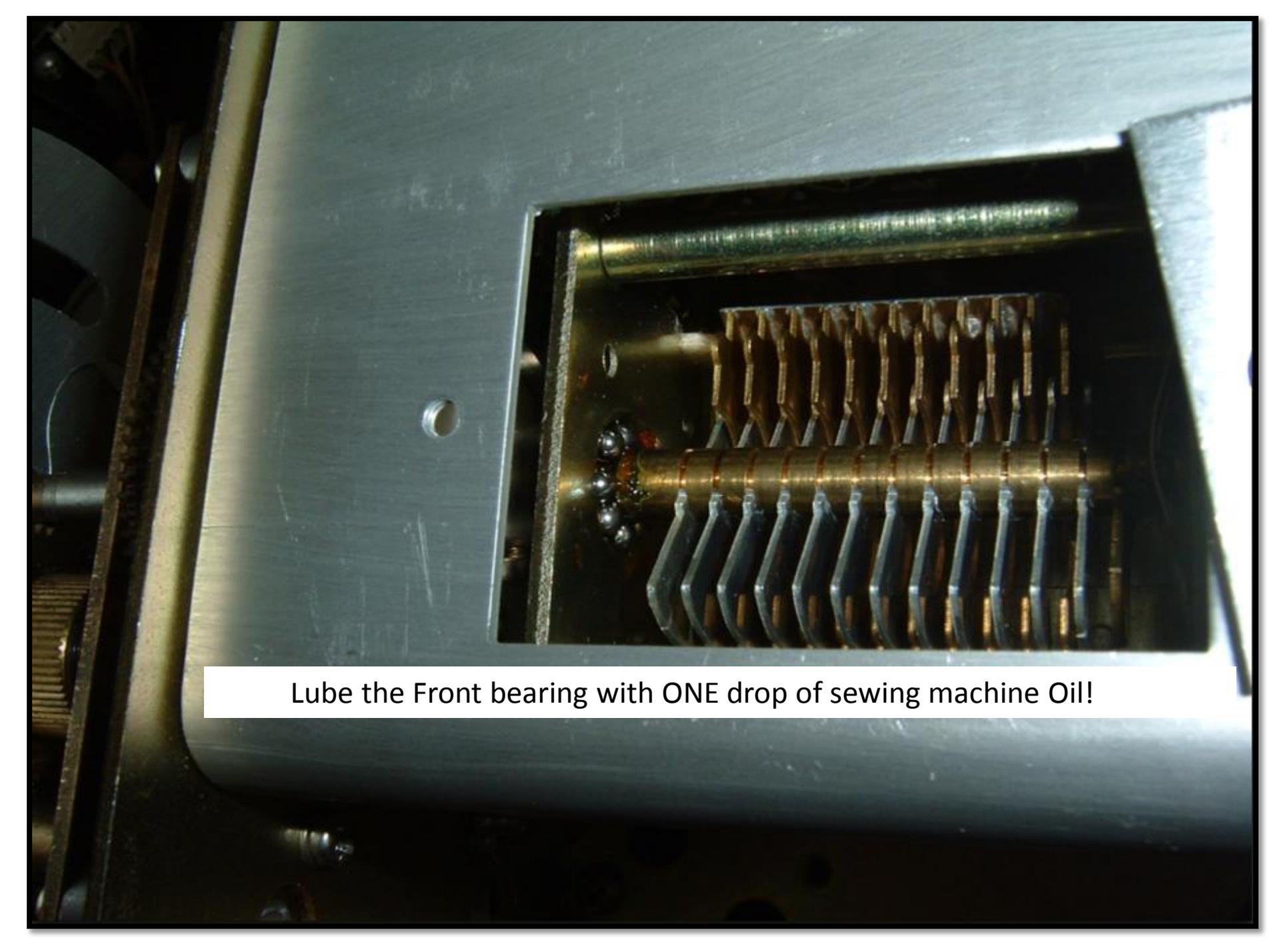
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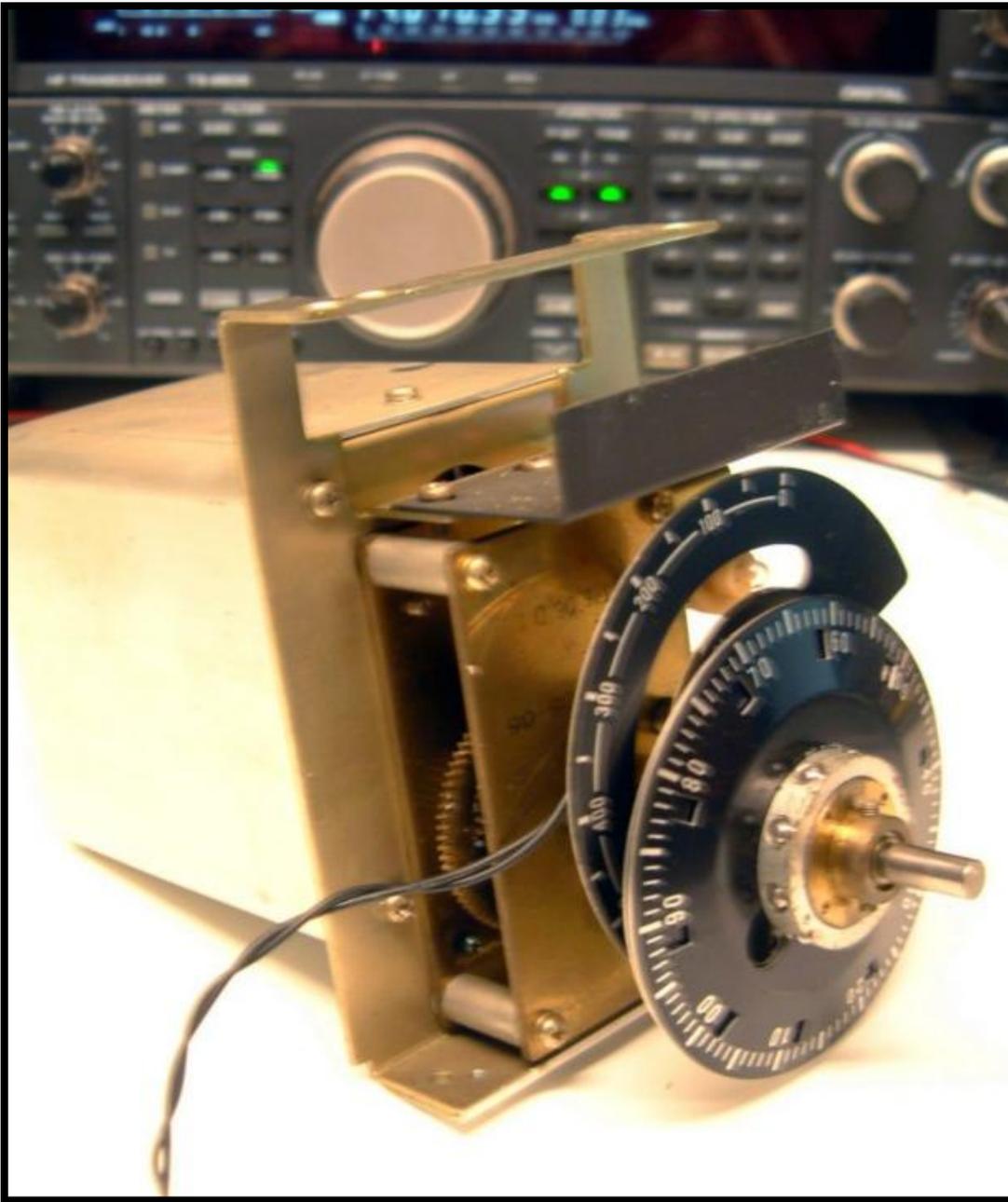
Remove the VFO side Cover



Spray the Rear wiper with DEOXIT and blow it out with canned air

A close-up photograph of the internal mechanism of a sewing machine, specifically the needle bar area. The image shows a row of needles mounted on a central shaft. The needles are arranged in two rows, with the top row pointing upwards and the bottom row pointing downwards. The shaft is a polished metal rod. The surrounding housing is a light-colored metal plate with a small circular hole visible on the left side. The lighting is focused on the central mechanism, highlighting the metallic surfaces and the sharp points of the needles.

Lube the Front bearing with ONE drop of sewing machine Oil!



VFO dial and core