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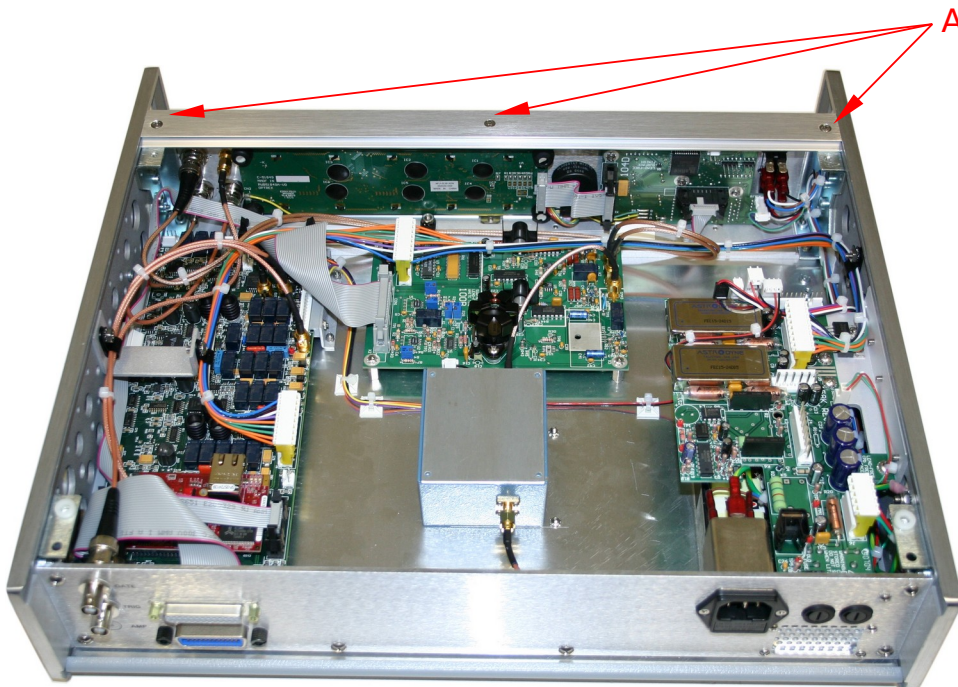
☒ BOX 5120, LCD MERIVALE
OTTAWA, ONTARIO
CANADA K2C 3H5

REPLACING THE ROTARY ENCODER

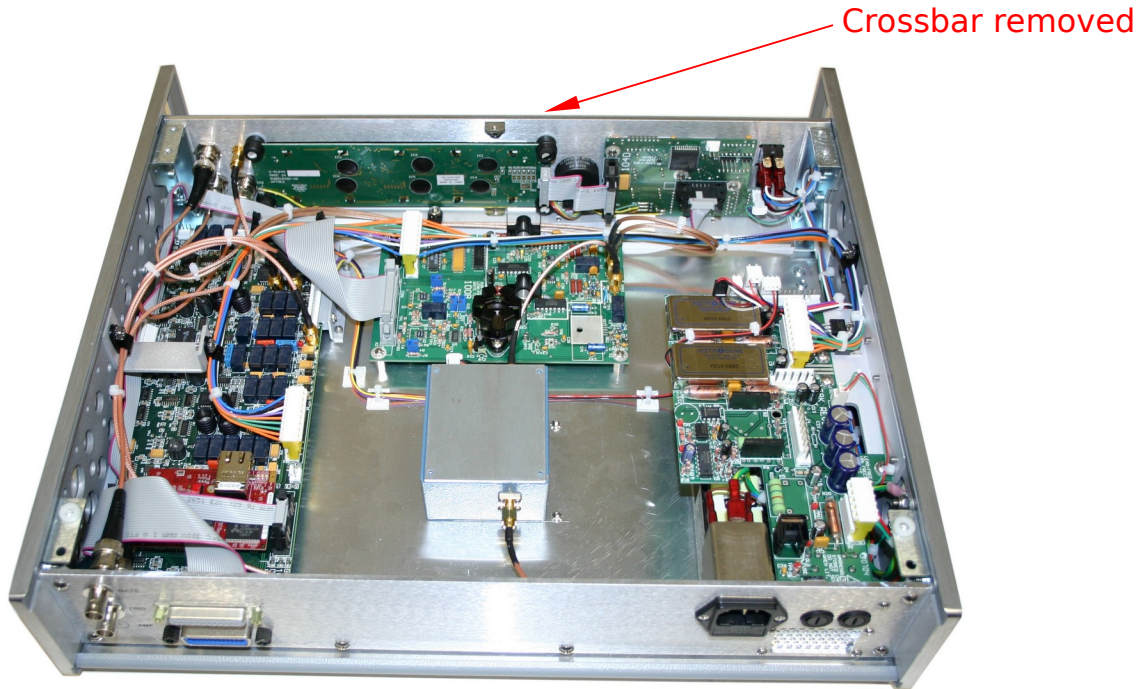
The rotary encoder used for the ADJUST function is Clarostat P/N 600EN-128-CBL, and is readily available from Digi-Key (their stock number 600CS-ND), Mouser (785-600128CBL), and Newark (89F2536).

To replace a non-functioning encoder, follow the steps below.

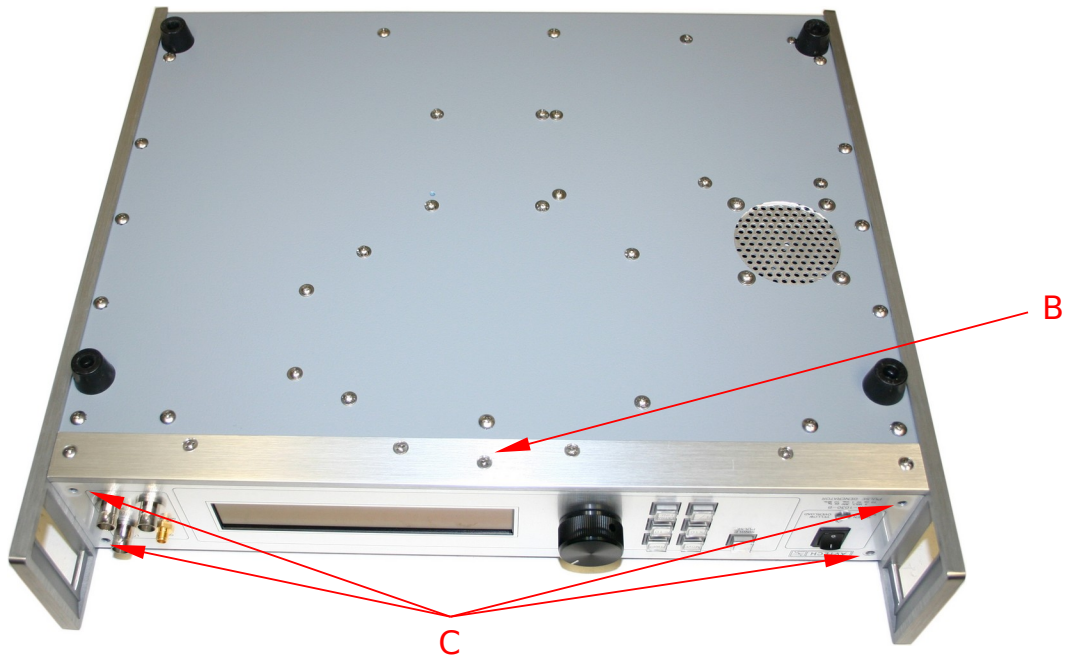
1. Disconnect the power cord from the rear panel.
2. Remove the 4 screws that secure the top cover. Slide the cover off.
3. Remove the three screws labeled "A" in the photo below:



4. Pull off the crossbar that these screws hold down, so that the instrument now looks like this:

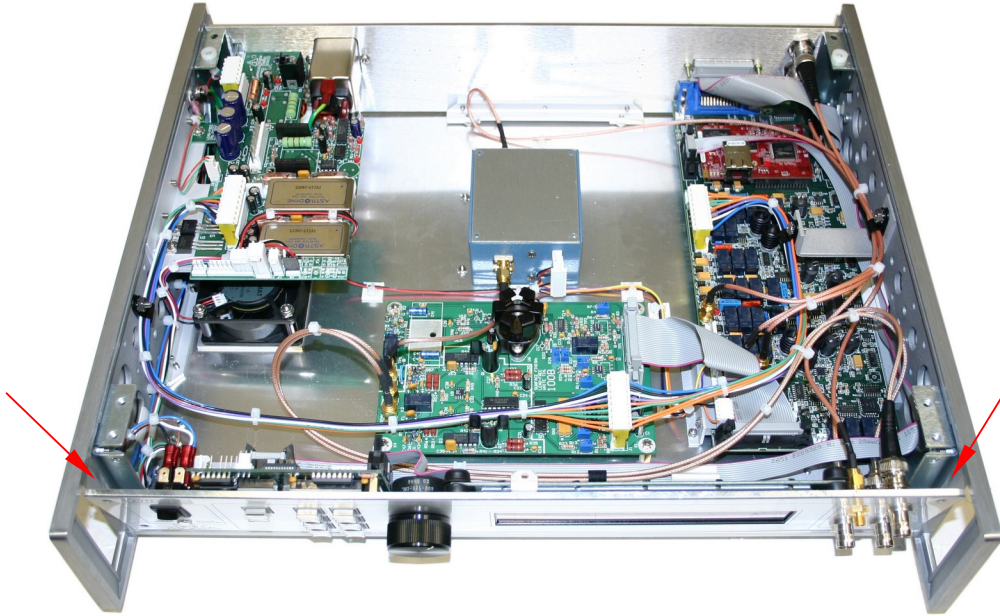


5. Flip the instrument upside down, and remove the single screw labeled "B" in the photo below:

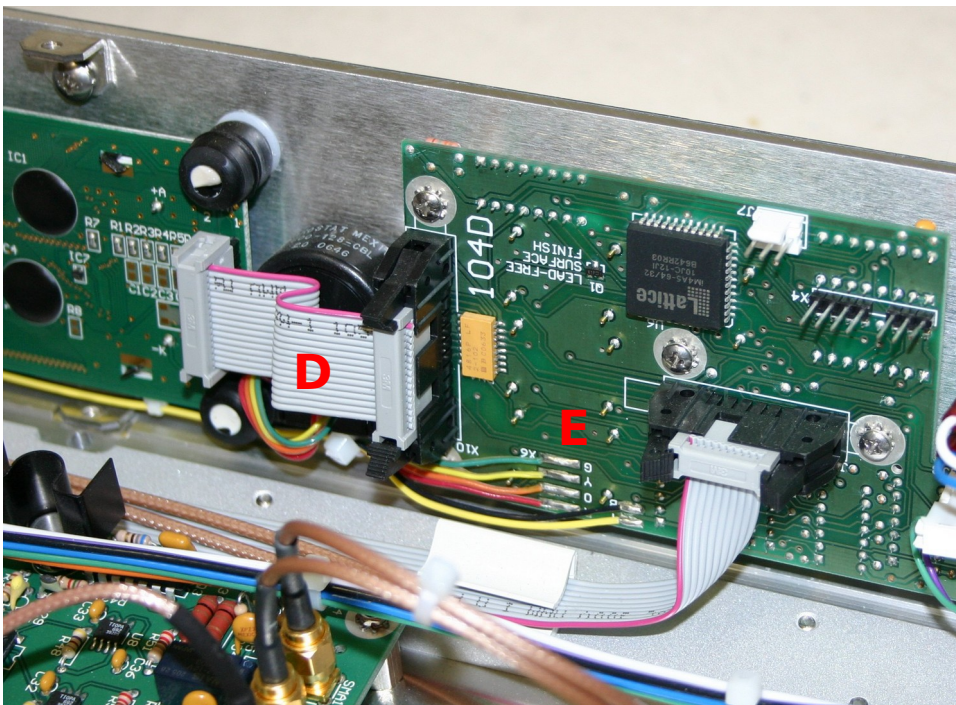


6. Remove the four screws that secure the front panel, labeled "C" in the photo above.

7. Set the instrument right-side-up again. Gently pull the loose front panel forward, so that it is easier to access the back side of the front panel.



8. Disconnect the 16-pin ribbon cables (labeled "D"), to expose the rear of the encoder.



9. On the front side of the front panel, use an Allan key to loosen and then remove the black ADJUST knob from the encoder shaft.
10. From the front side, use a small wrench to unscrew the nut holding the encoder in place.

11. De-solder the 4 encoder wires in area “E”, shown above.
12. Remove the encoder. Slide in the replacement encoder.
13. Re-install the encoder nut and knob.
14. Re-solder the four encoder wires to the keypad board. Refer to the photo above for the correct color sequence.
15. Re-install the 16-pin ribbon cable.
16. Gently re-position the front panel into its normal location. Make sure that no cables are pinched by the panel.
17. Re-install the four screws “C” that secure the front panel.
18. Turn the unit upside down, and re-install screw “B”.
19. Turn the unit right side up, and re-install the crossbar and its three screws “A”.
20. Re-install the top cover.
21. This completes the procedure.

If anything is unclear, or further assistance is needed, please contact:

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