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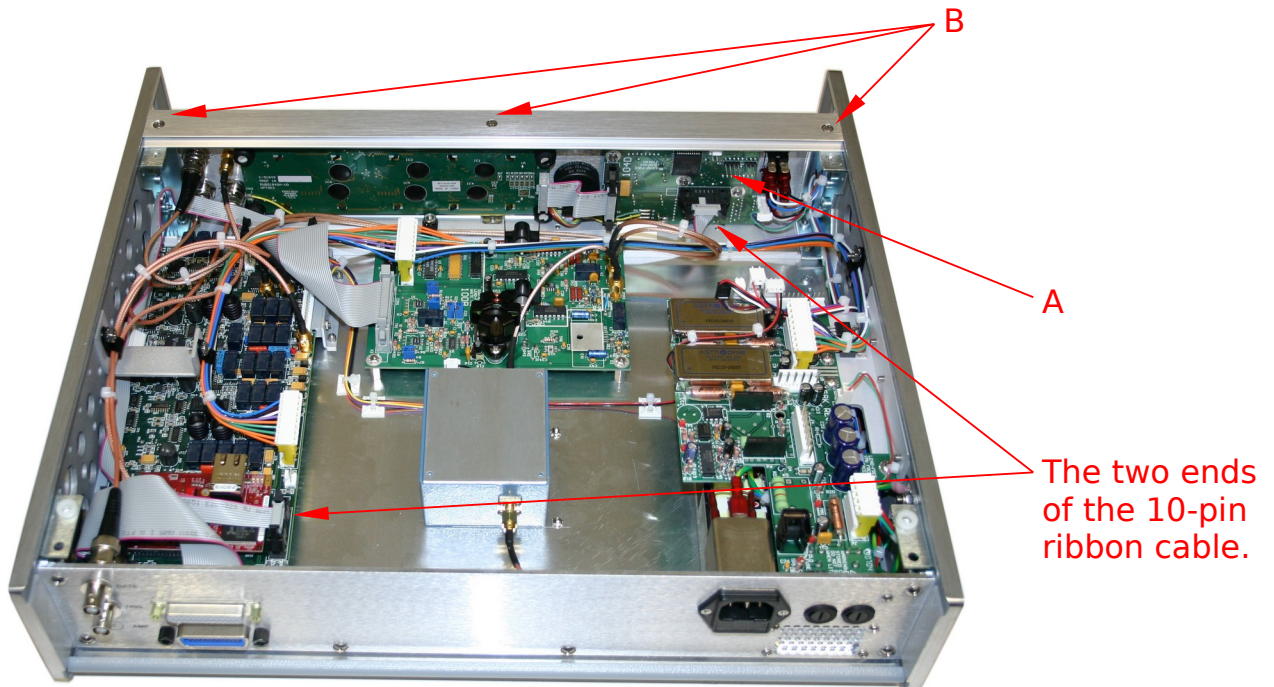
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BOX 5120, LCD MERIVALE
OTTAWA, ONTARIO
CANADA K2C 3H4

INSTALLATION INSTRUCTIONS FOR
THE REPLACEMENT KEYPAD BOARD AND CABLE
ON MODEL AV-1030-B-AK1, S/N 11710

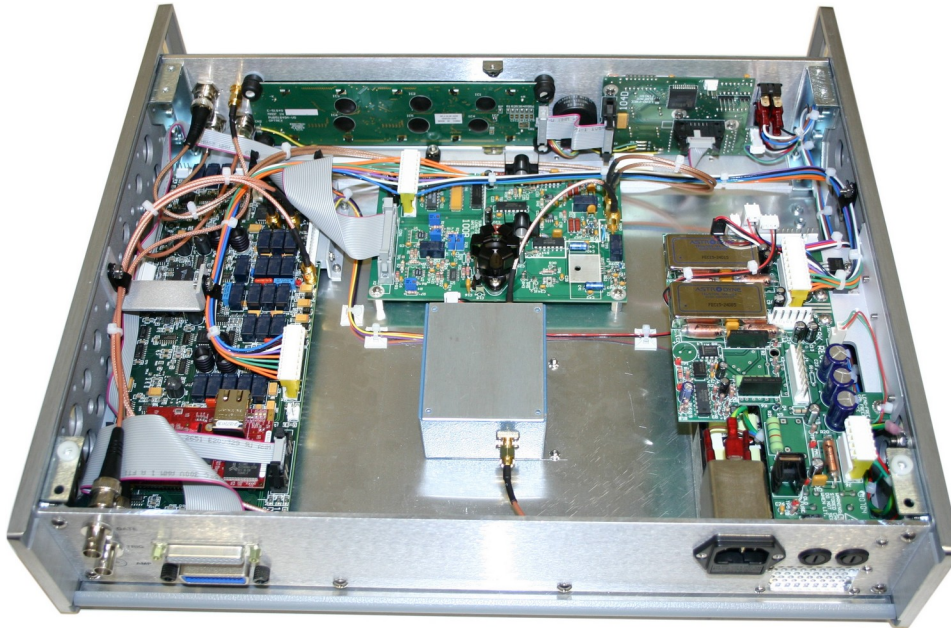
Note: some photos may not be exactly the same as your unit.

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

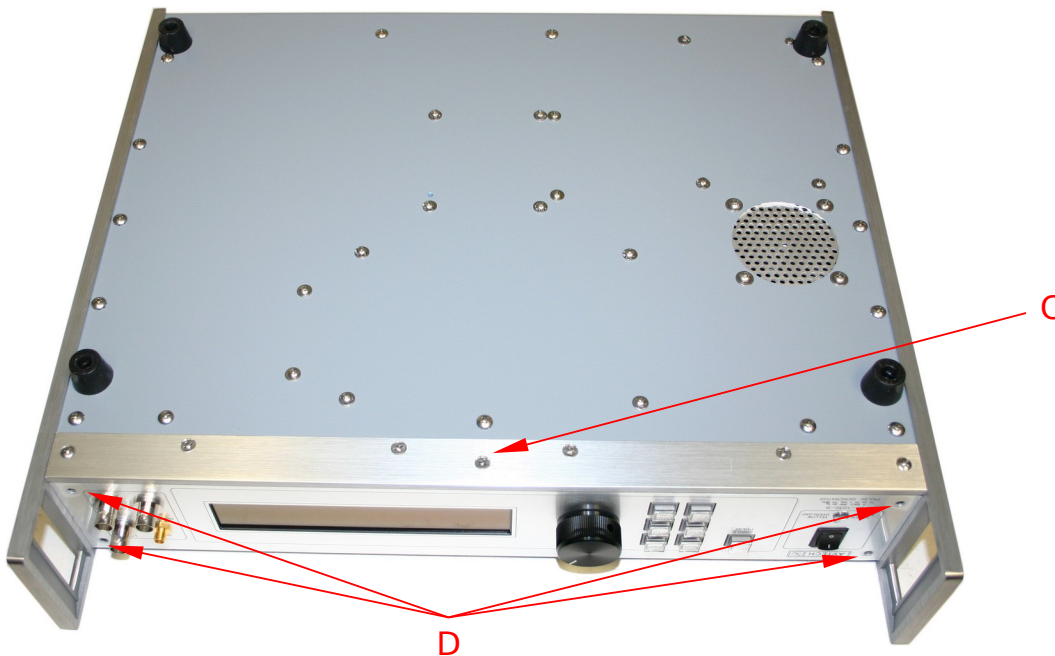


4. Remove the three screws labeled "B" in the photo above. Pull off the crossbar that these screws hold down, so that the instrument now looks like this:

Crossbar removed

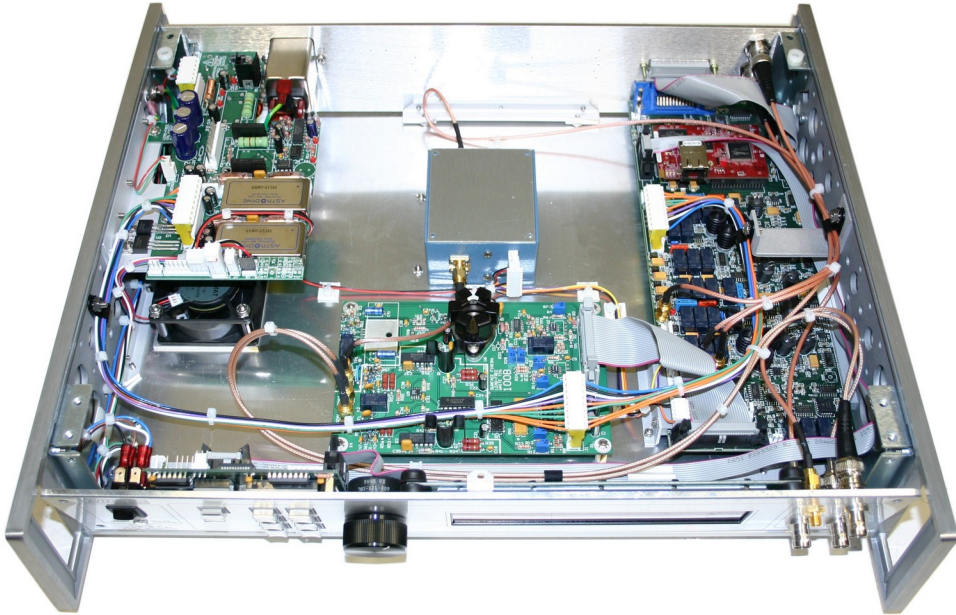


5. Flip the instrument upside down, and remove the single screw labeled “C” in the photo below:

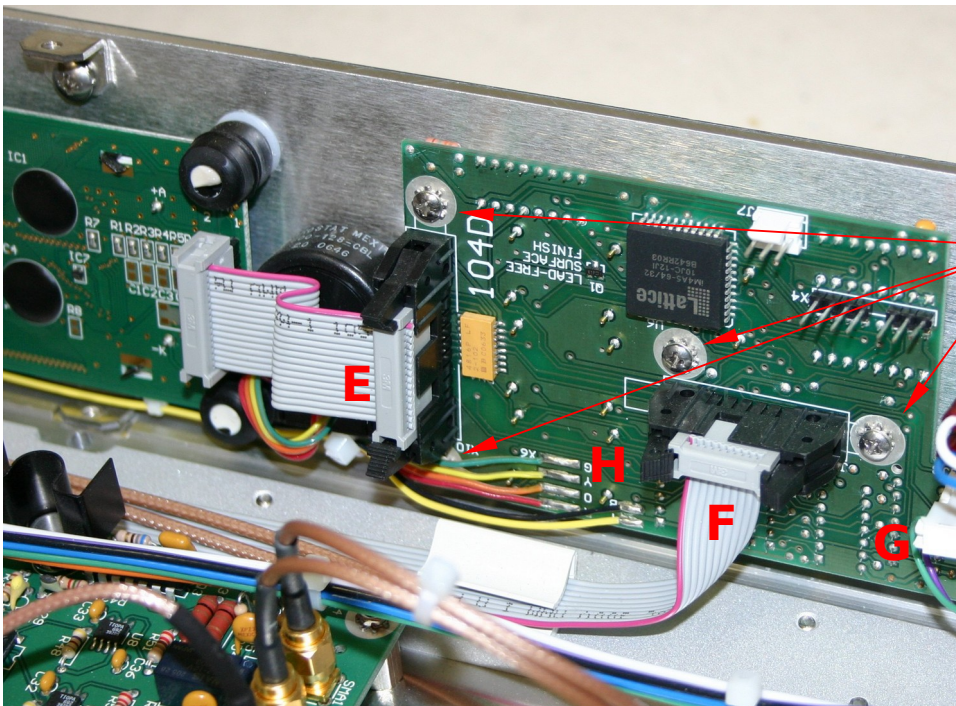


6. Remove the four screws the secure the front panel, labeled “D” in the photo above.
7. Set the instrument right-side-up again. Gently pull the loose front panel forward, so that it is easier to access the keypad PCB, as shown below:





8. Disconnect the two ribbon cables (labeled “E” and “F” below) from the keyboard PCB.



9. Disconnect the two-wire connector “G”, shown above.

10. De-solder the 6 wires in area “H”, shown above.

11. Unscrew the 4 screws labeled “I”, shown above.

12. Gently pull the keypad board away from the panel. It is only held in place by some light adhesive (glue) on the panel. Discard this old keypad board.
13. Install the new PCB 104D keypad board where the old keypad was. Re-install the four screws ("I").
14. Re-solder the 6 wires in area "H".
15. Re-connect the two-wire connector "G".
16. Re-install the short 14-pin ribbon cable "E".
17. Remove the old long 10-pin ribbon cable "F", by disconnecting it from where it mates to the control board (near the GPIB connector). Discard the old cable. Install the new 10-pin ribbon cable, plugging it in the control board at one end and the keypad board at the other end.
18. Gently re-position the front panel into its normal location. Make sure that no cables are pinched by the panel.
19. Re-install the four screws "D" that secure the front panel.
20. Turn the unit upside down, and re-install screw "C".
21. Turn the unit right side up, and re-install the crossbar and its three screws "B".
22. Re-install the top cover.
23. This completes the procedure.

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

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