3-27-62

575 MOD 122C

PRODUCTION SPECIAL

1. Start with the instrument upside down.

2. Using CSB as a base for the jig, center punch and then drill (4) 5/32" holes, use a #23 bit. See sketch.

3. Remove the nut of the mounting screw on C243 nearest the sub-panel and mount a #6 solder lug facing the front.

4. Three (3) wires, (2) 9-4 wires and (1) 3-N wire are laced together from the grommet and main cable. They are loose at this time. Remove the lacing and re-tie at the main cable to prevent unraveling.

5. Remove both (2) 9-4 wires. (1) is a short wire that would run from CSB4 to the toggle switch on the front porch. The other is a long wire that would have run from CSB4 to the horiz. volts/div. switch.

6. Do not connect the 3-N wire at this time.

7. Add two (2) four-slot strips in the holes that were previously drilled. See sketch.

8. Remove the large varible cap. (C735) and straps.

9. Rewire the strips as follows:

   A. Remove:

(1)	47pf Cer. Cap.	from CSA4 to CSB4 (delete)
(2)	1 Meg 1/2W 1%	from CSA4 to CSB4 (delete)
		CSA3 to CSB3 (delete)
(1)	Mica Cap.	from CSA1 to CSB1 (delete)
(1)	10K 1W 10%	from CSA2 to CSB2 (keep to be re-used later)

   B. Move:

   (1) -150 wire from cable to CSB2, to CSB1
   (1) Strap from pin 1 of V733 to CSA4, to CSB3.

   C. Add:

   (1) #20 strap from CSA4 to CSB4
   (1) 300K 1/2W 1% from CSA3 to CSB2
   (1) .002 ufd Mica cap from CSA2 to CSB2
   (1) 10K 1W 10% from CSA1 to CSB1 (same resistor was removed previously)

10. Now connect the 3-N wire to CSB2.

11. Add three (3) box jumpers and four (4) 2.5M 1/2W 1% resistors. See sketch.

12. Clean all four strips.

13. Rubber stamp (R730A above) between CSB and the new strip. See sketch.

14. Add a 1 meg Tek pot. Center tap to CSB3, Left tap to CSB4, Right tap to the new strip A, slot 4. See sketch.

continued

PRODUCTION SPECIAL

15. Connect two 9-N "Hyrad" wires to CSA1. (1) is a short wire approximately 6" long, just leave the other end loose for now. The other 9-N "Hyrad" wire is approximately 24" long and should go thru the grommet at the center-front of chassis to the top of the horiz. volts/div. switch, following the same path as the 3-N wire.

16. Tie the "Hyrad" wire to the cable in several places for a neater installation.

17. Clean the dirty part of the strips again but caution should be taken as the solution will smear the rubber stamping quite easily.

18. Using the special front panel as a guide, locate and center punch the "press to check" button, hole.

19. Remove the panel and punch a 3/8" hole.

20. Install the push-button with approximately a 5" length of #18 solid 4-131 wire connected to the top solder lug.

21. Connect the loose end of the 4-131 wire from the push-button, to the top contact of the circuit breaker.

22. Now install the special collector box. It will mount in the same as a standard box, if it is installed before the CRT shield.

23. Take the 4-111 wire from the cable on the back of the box and connect to term. 1 of T701. (Powerstat transformer).

24. The 9-1 #18 solid wire from the collector box will go to the vertical volts/div. switch. 6W 23 F & R. (Same as standard).

25. The 9-N "Hyrad" and the 9-N #22 solid wires from box and cable will go down thru the grommet to the under side of the power deck.

26. The 9-0 #22 solid wire and the #20 strap on the rear of the collector box will connect to the solder lug on top of the resistor stack directly behind the collector box.

27. Turn the instrument around so that you are on the right side. Connect the 4-131 wire from the collector box cable to the bottom solder lug of the push-button switch.

28. Install the new horiz. volts/div. switch and wire as follows: (Very much the same as standard).

From the cable:

-150 to 1W3F
9-1 to 1W4R
9-2 to 1W5F
9-3 to 1W6F
9-4 to 1W7F
9-5 to 1W8F
9-6 to 1W9F
9-0 to 1W10 F&R
3-N to 1W15F
9-7 to 2W11R
(2) 9-8 to 5W11F
8-N to 2W20R
9-N to 5W2F
9-N "Hyrad" to 4W4R
9-2 from toggle sw. to 5W22R
Black wire from coax to 2W9R
Red wire from coax to 4W9F

continued

PRODUCTION SPECIAL

29. Wires from the horiz. volts/div. switch connect to:

    9-5 from 6W10R to CSB-14.

    9-3 from R334 pot on circuit board to CSB18.

    9-0 wire from center tap of R434 pot on the circuit board to 4W 9R of the vertical volts/div. switch.

    9-2 wire from side tap of R434 pot on circuit board to 4W8R of the vertical volts/div. switch.

30. Remove the short 9-0 wire from the "amplitude calibration" toggle switch and replace with the 9-0 wire from 2W14F of the horiz. volts/div. switch.

31. Remove the (C735) silk-screen and all the silk-screen pertaining to the adjustment of same. Caution should be used so as not to remove the (V733 62U6) silk screen too.

32. Spray the area with "Krylon" lacquer.

33. Install the front panel. Use a single dot knob on the polarity switch in place of the double dot knob.

34. To install the front "porch", a relief notch is needed to clear the new toggle switch.

35. This notch should be approximately 1/8" deep by 1 1/8" wide.

36. Install porch and ground coaxial cables the same as standard.

37. The #22 9-N wire from the box will go to ground, on the solder lug, on C243 that was installed earlier.

38. The #18 solid 9-1 wire goes to ground on the porch the same as standard.

39. On the new toggle switch there are four rows of contacts. The row closest to the sub-panel shall be #1 and the next row #2, etc. We shall then number the contacts from left to right 1, 2, 3, 4, etc.

40. Toggle switch connections are as follows:

    9-N "Hyrad" from collector box to row (1) contact (3).

    (2) coax cables to row (1) contact (1).

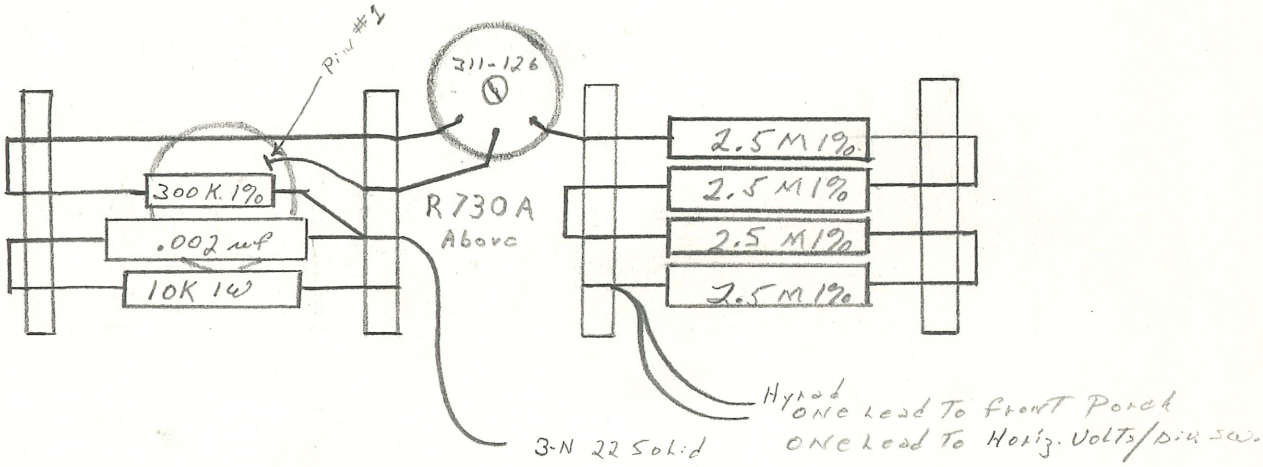
    9-N "Hyrad" from new strips to row (4) contact (4).

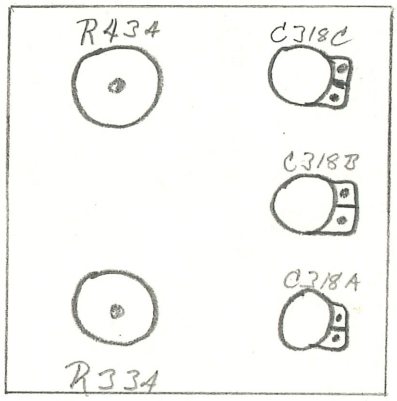
41. Install the 100Ω 1/2W 10%, from your standard final kit, from row (1) contact (3) to row (4) contact (4).

Final Wire Kit:

(1)	4-131 #18 solid	5" long
(1)	9-N "Hyrad"	24" long
(1)	9-N "Hyrad"	6" long

575 Mod 122C
Pwr. Chassis





Horiz. Volts/Div. Sw
Trimmer Mount