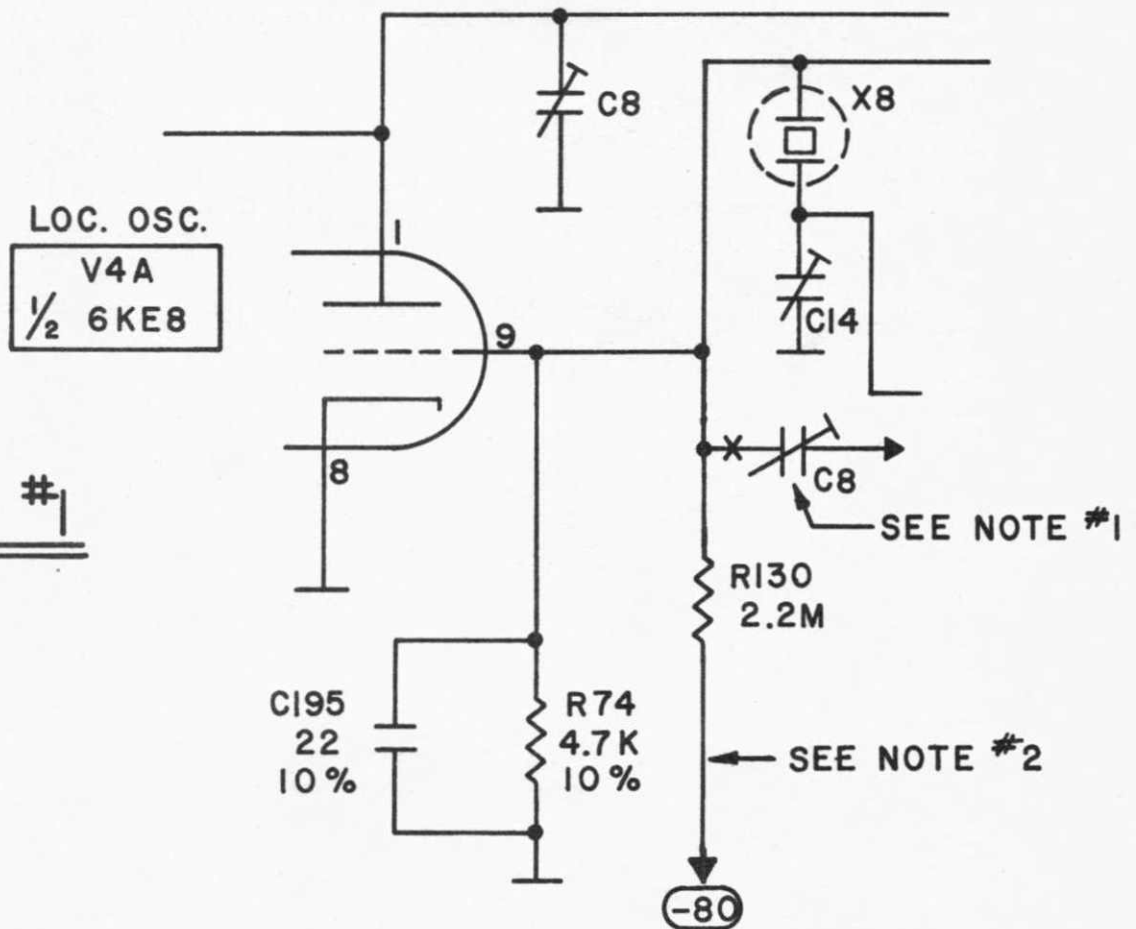


ADDENDA TO THE NCX-5 MK II

MANUAL AND SCHEMATIC

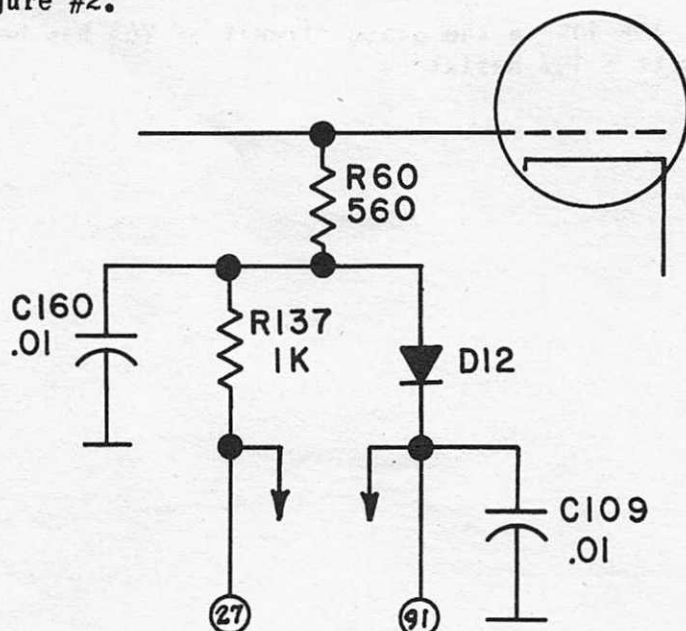
- A. The following changes affect the schematic only. These changes have been incorporated in all NCX-5 MK II transceivers, but not recorded on the schematic.
1. Trimmer C8, was shown incorrectly between pin 9 of V4A and ground. It should be shown between pin 7 (plate) of V4A and ground as seen in figure #1.
 2. Resistor R74, $47K \pm 10\%$ 1/2 watt between pin 9 of V4A and ground should be shown as a $4.7K \pm 10\%$ 1/2 watt resistor.



3. The VFO and BUFFER transistors have been changed in all NCX-5 MK II transceivers. The new VFO transistor is an RCA 40245 and the BUFFER transistor has been changed to a 2N2672 (Amperex). Changes should be noted in Section 4 and figure #2 of the NCX-5 Instruction Manual.

4. The type numbers of diodes D14, D15, D16, and D17 are not called out on the schematic. They are all type 1N541 diodes. These diodes are in matched pairs and should be ordered as matched pairs. The order number for each pair is 1N542.
5. Capacitor C222, 0.01 uF (located in the grid circuit of tube V10), was printed incorrectly and should be changed to read C212, 0.01 uF.
6. A 0.01 uF ceramic capacitor should be shown between pin 8 of the calibrator socket and chassis ground. A $100 \Omega \pm 10\%$ 1/2 watt resistor should be shown between pin 8 of the calibrator socket and the calibrator switch (S-7).
7. Capacitor C221, 0.47 uF should be shown as a 0.33 uF, 400 V capacitor.
8. Resistor R133, $6.8K \pm 10\%$ 1/2 watt across L-4 should be shown as R133, $4.7K \pm 10\%$ 1/2 watt.
9. Resistor R132, $15K \pm 10\%$ 1/2 watt, should be shown as a $10K \pm 10\%$ 1/2 watt resistor.
10. A $150 \Omega \pm 10\%$, 1/2 watt resistor should be shown between ground and the ground end of the RF gain control (R-4).

11. The value of Capacitor C48 in the ALC DETECTOR circuit is shown incorrectly. Its value should be $0.15 \mu f$.
12. Resistor R137, 1K, in the grid circuit of V15 is shown incorrectly in the schematic. The schematic should be changed to agree with figure #2.



13. Resistor R150, 6.8K in the plate circuit of V10 has been omitted and should be removed from the schematic.
14. The Carrier Balance circuit has been changed. The schematic should be changed to agree with figure #3.

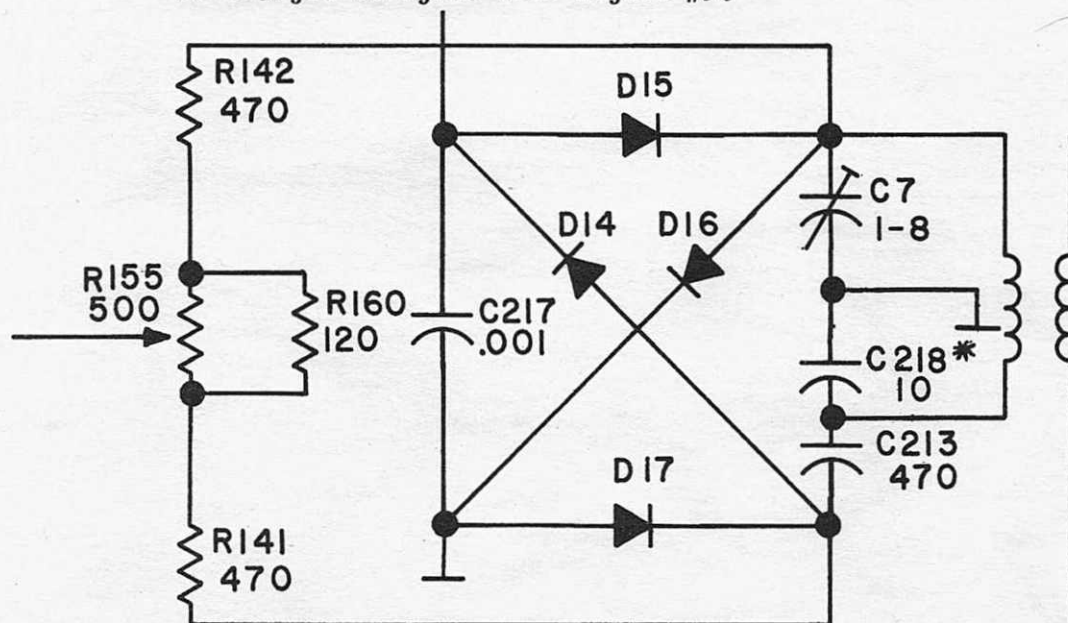


FIGURE 3

15. Resistor R158, 22K in the grid circuit of V10 has been changed to a 220K resistor.
16. Capacitor C159, 100pf $\pm$ 10% in the grid circuit of V18A, has been changed to a 470pf $\pm$ 10% Capacitor.
17. Resistor R160, 10K 10% in the plate circuit of V6A has been changed to a 47K 1/2 watt $\pm$ 10% Resistor.