

SEARS
934.3677150 & 934.36772600
23 CHANNEL CRYSTAL SET

RX: Peak T5,T4,T3,MF1,T2,T1,L1 on Ch. 13.0(AM)

Peak T9,T8,T7,T6 for max. on CH. 13 LSB

R17; AM Sensitivity
R62; SSB Sensitivity
R231; SSB AGC
R37; AM Squelch Range
R260; SSB Squelch Range
R262; AM S Meter
R263; SSB S Meter

TX: Peak T10,T11,L13B,L14,L10,L11 for Max.

L13A is T.V.I. filter adjustment

On SSB, No Mod. input, adjust R67, C55 for Minimum output.

R405; Voltage Reg.
R86; SSB Mic Gain
R281; A.L.C.
R264; RF Power Meter
For Maximum AM Mod., Clip D25.

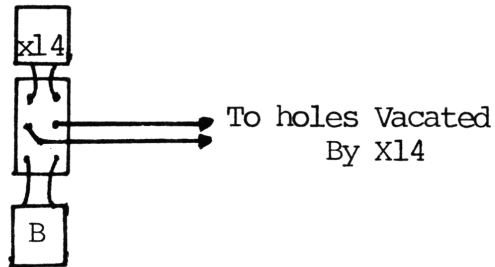
Crystal Frequency Chart:

X1 can be pulled and replaced with one crystal from chart below for 4 new channels. Or, build a Crystal Switcher to handle more crystals. X1, X2, X3, X4, X5, or X6 may be replaced. They are Tripler type. Type HC-18/W.

7.8766	26-27-28-30
7.8933	31-32-33-35
7.9100	36-37-38-40
7.9266	41-42-43-45
7.9433	46-47-48-50
7.9600	51-52-53-55
7.9766	56-57-58-60
7.9933	61-62-63-65

SEARS (CONT)

If you want to get channels between 3 & 4 (26.995); 7 & 8 (27.045) etc., pull X14 (14.947) and install a DPDT Switch using 14.947 on one side and 14.937 on the other side.



Clarifier Modification:

1. Clip D72
2. Disconnect Brown Wire from R501 (15K)
3. Run a new wire from R501 to cathode of D66

Unit now slides on transmit. For more slide, install a variable 2-10 UH choke in series with fine tuning capacitor (black wire).