

MIDLAND 13-857

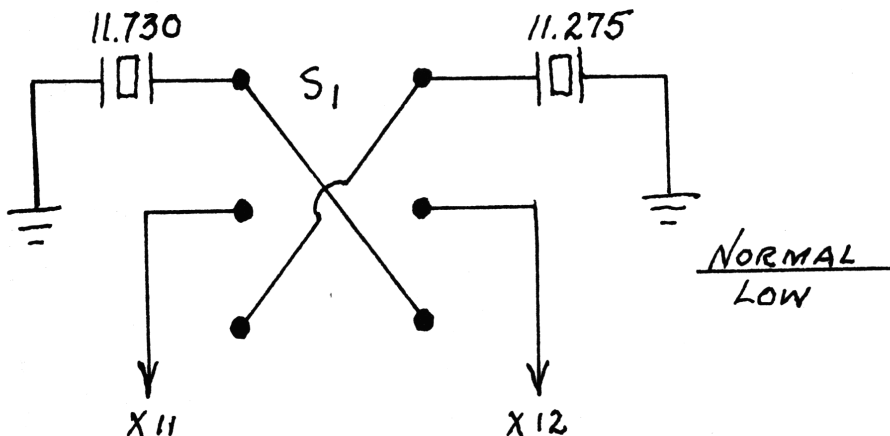
Modulation adjustment: RV2

Tune the following coils for maximum with a 1000 Hz tone injected through the microphone and using a peak reading wattmeter on channel 13: L7, L8, (L9 is TVI filter - tune for minimum interference on TV).

New channels can be obtained by either switching X11 and X12 or by substituting other crystals for them.

X11 = 11.730 receive oscillator
X12 = $\frac{11.275}{.455}$ transmit oscillator

As you can see, X11 is 455 KC higher than X12. This is how you get your receive IF frequency of 455 KC. If you swap X11 and X12 around, you will get low channels. This can be done easily by using a switch. (Be sure to use solid hookup wire between the switch and board. Keep the leads as short as possible.) The wiring configuration should look like this:



S₁ = DPDT toggle switch

NOTE: If you use other crystals, they must be 455 KC apart so receive and transmit will work together correctly.