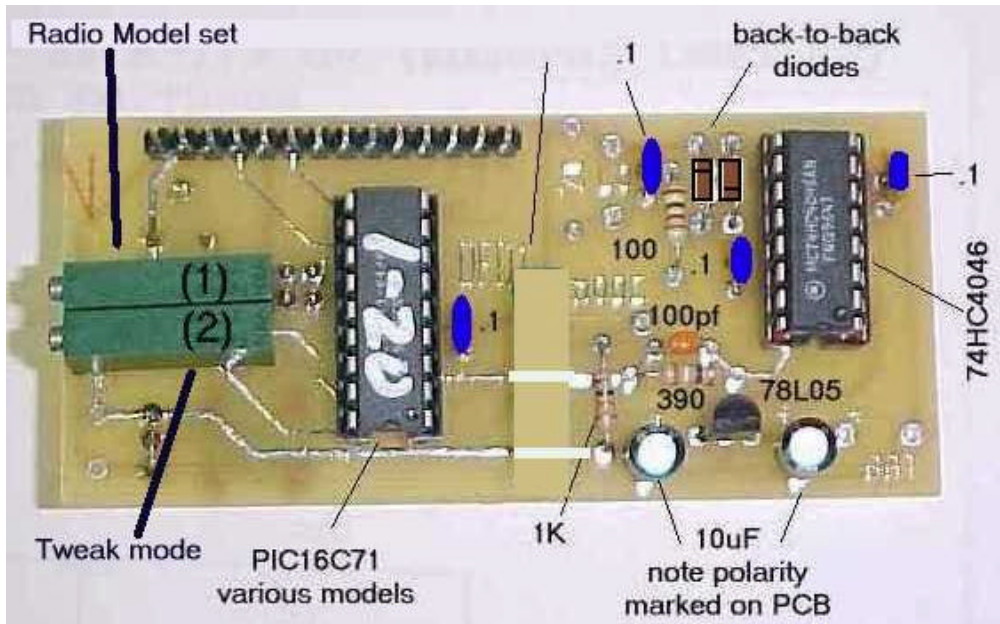




C-Swan for most Swan radios

Simply turn the top Radio model set trimpot until the IF frequency of your radio is displayed. Then add one more turn in the same direction you were going when your IF was first displayed. There are about 4 turns per IF

frequency.



IMPORTANT: POWER SOURCE SHOULD BE OFF BEFORE CONNECTING TO DIGITAL DISPLAY OR IT COULD BE SHORTED

The input frequency must be zero when setting the IF frequency. Remove the 74HC4046 chip to insure zero input frequency.

For those with a 5.1728MHz IF, the switch on the back decides 80 and 40 or 20, 15 and 10 meters

For the other models, with 5.5 MHz IF, the switch decides Normal or Reversed SSB to match the setting of the switch on the radio.

For the 250 and 250C the vfo reading is multiplied by 3 and added to the IF. The switch does nothing. Resolution is 100Hz instead of 10Hz.

240	IF=5.1728 MHz	270B	IF=5.5MHz	500	IF=5.1728 MHz
250	IF=10.698MHz	300B	IF=5.5MHz	500CX	IF=5.5MHz
250C	IF=10.898MHz	350	IF=5.1728 MHz	600	IF=5.5MHz
260	IF=5.5MHz	350C	IF=5.5MHz	700CX	IF=5.5MHz
270	IF=5.5MHz	400	IF=5.1728 MHz	700S	IF=5.5MHz
				750CW	IF=5.5MHz

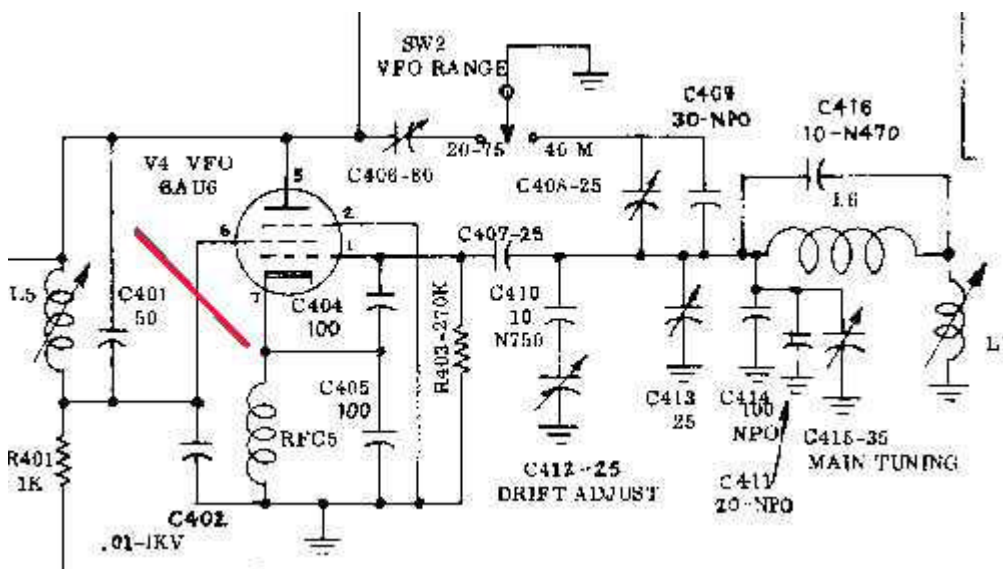
There is a level control (white trimpot) inside the C-Swan. Remove the single screw holding the chassis in the cabinet and slide the chassis out. Adjust the level on the 10 meter band for reliable operation.

There is a contrast control on the back of the counter board (black/yellow trimpot). Set for best readability when viewed from the position unit is normally used in.

The displayed frequency is a combination an offset equal to the factory specified IF frequency shown above and the measured VFO frequency. **For maximum accuracy the BFO (Carrier) crystal, which determines the actual IF frequency of your radio, must be right on factory spec. Many models have a trimmer capacitor to adjust the frequency of those crystals. Consult you radio manual. OR use the tweak mode to obtain a displayed frequency that is equal to what you consider a KNOWN frequency. Net frequency etc.**

There is a two pin jumper on the back of the counter board. Jumper on enables TWEAK mode. Tweak mode allows adjusting the IF offset +/- 1.28KHz in 10 Hz steps to compensate for aging of the carrier crystals.

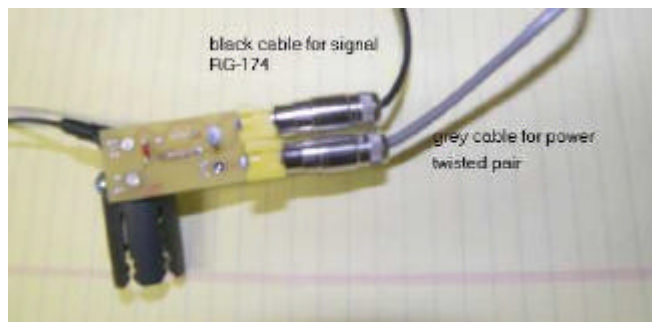
Where to get the VFO signal



240 (or use tube shield probe on V4)

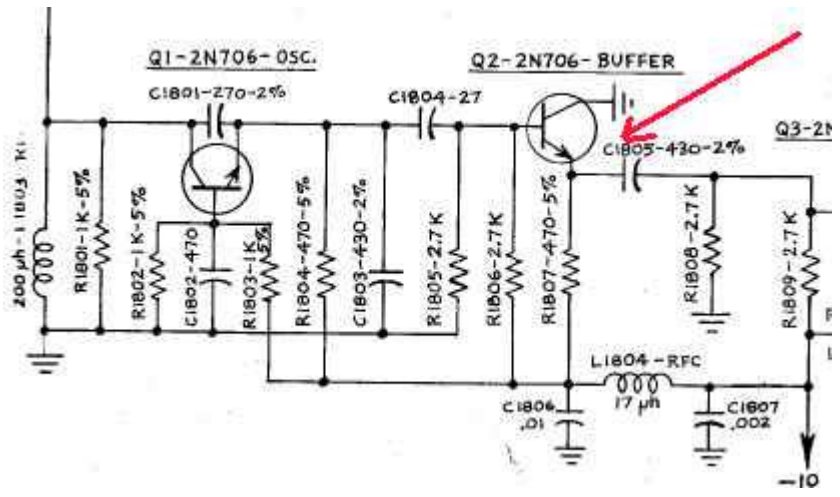
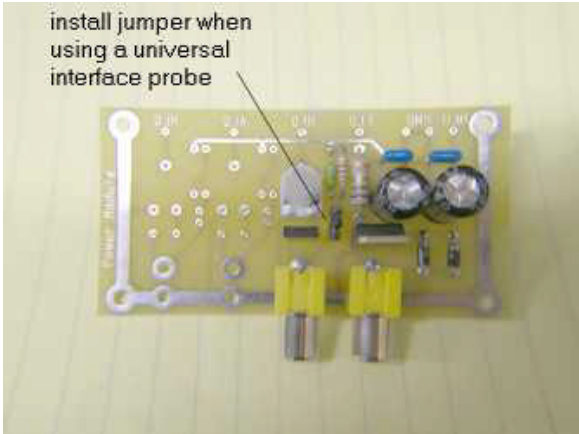
(for all other models you can use tube shield probe on V1)

http://www.aade.com/Universal/a_universal_interface_for_tube_t.htm

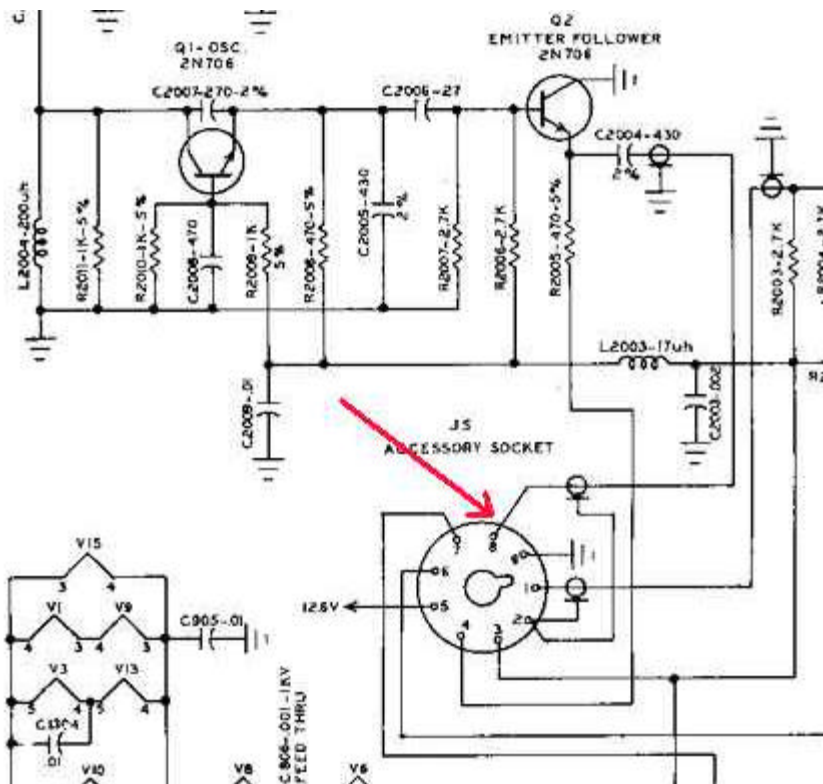


For the C-Swan, install the two pin jumper on the power module board inside the C-Swan.

(remove the single screw from bottom of cabinet and slide out chassis to install jumper)



250, 260, 350, 350C, 400



250C, 270, 270B, 300, 500, 500CX, 600, 700S, 700CX, 750CW

Power can be obtained from pin 5.

Using the tube shield probe you can obtain power from the pilot lamp socket.