CHAPTER 6
INTERNAL OPTIONS

This chapter covers internal options that can be added to the TW7000. They are generally factory installed. If added in the field, installation requires a #2 Phillips-head screwdriver and a board puller included in the following maintenance kits.

- 7000EXT extender kit
- TW7000TK tool kit

Internal Option	Part Number	See Page
Additional Channel	7000ACH	6-2
ALE	7000ALE	6-3
Clock	7000CLK	6-19
Data Interface RS422/423/485	7000RS	6-20
Encryption	7000ENCR	6-21
FSK Remote Control	7000RF	6-21
High Stability	7000HS	6-34
ISDN Remote Control	7000RI	6-42
Narrowband CW Filter	7000CW	6-55
Noise Blanker	7000NB	6-56
Recorder	7000RCDR	6-62
Selcall, Transcall and TransAdapt	7000TC	6-63
Voice Enhancement Module	7000VEM	6-64
Wideband Data Filter	7000WB1	6-64

For information on changing the on or off status of these options, refer to the TW7000-MSOP operator manual.

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6.9 Narrowband CW Filter (7000CW)

This option provides a narrowband filter with 500 Hz bandwidth for CW operation. For component placement, refer to the figure below.

To install this option:

1. Turn the TW7000 off and remove the top cover.
2. Remove the board hold-down bars.
3. Remove the 5 MHz board.
4. Install the crystal into position XF2. Also, if required, change R130 to 3.92k if XF1 is a standard voice crystal and JU1 to position 3.

Note: *On boards with CW and WB1 options, the CW crystal is installed in position XF1 and the WB1 crystal is installed in XF2. If required, change R129 to 10k. Set JU1 to position 2.*

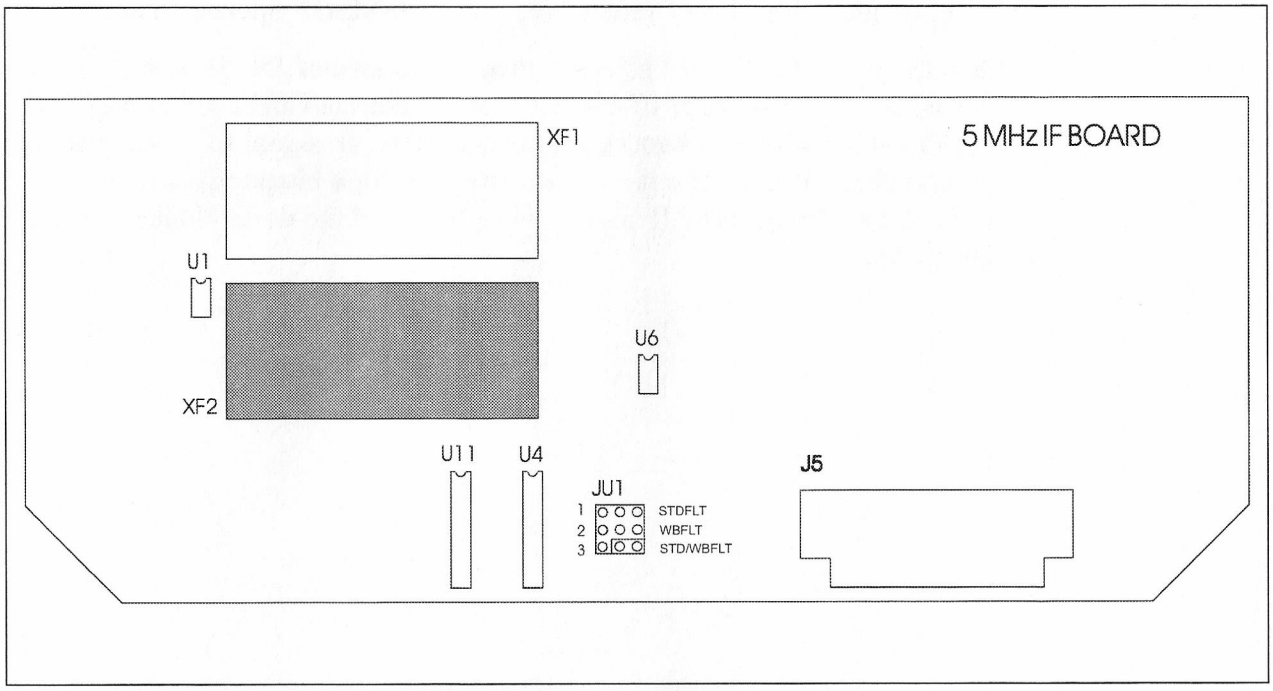

Figure 6-18. Narrowband CW Component Placement

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