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.

6.14 Wideband 1 Option (7000WB1)

This option provides a 300 to 3300 Hz wideband filter with tailored group delay characteristics for data operation (USB/LSB).

Note: *7000WB1 requires the 5 MHz IF board is revision U or higher.*

If necessary to perform a field installation, a soldering iron and cutters are required. Follow the steps below. For component placement, refer to the figure below.

1. Turn the TW7000 off and remove the cover. Remove the board hold-down bars.
2. Locate and remove the 5 MHz IF board using a board puller.
3. Remove the coaxial cables connected to the board. With the insulation washers under the filter, mount the filter to the board in position XF2. Solder the filter leads, trimming any excess.
4. Change jumper JU1 from position 1 to position 2 when the 5 MHz board has the standard and WB1 filters.
5. Reinsert the 5 MHz IF board.
6. Reinstall the hold-down bars and the cover.

When powered up, the filter band modes **USB DATA** and **LSB DATA** (wideband) display on the TW7000. For information on selecting a mode, refer to the TW7000-MSOP operator manual.

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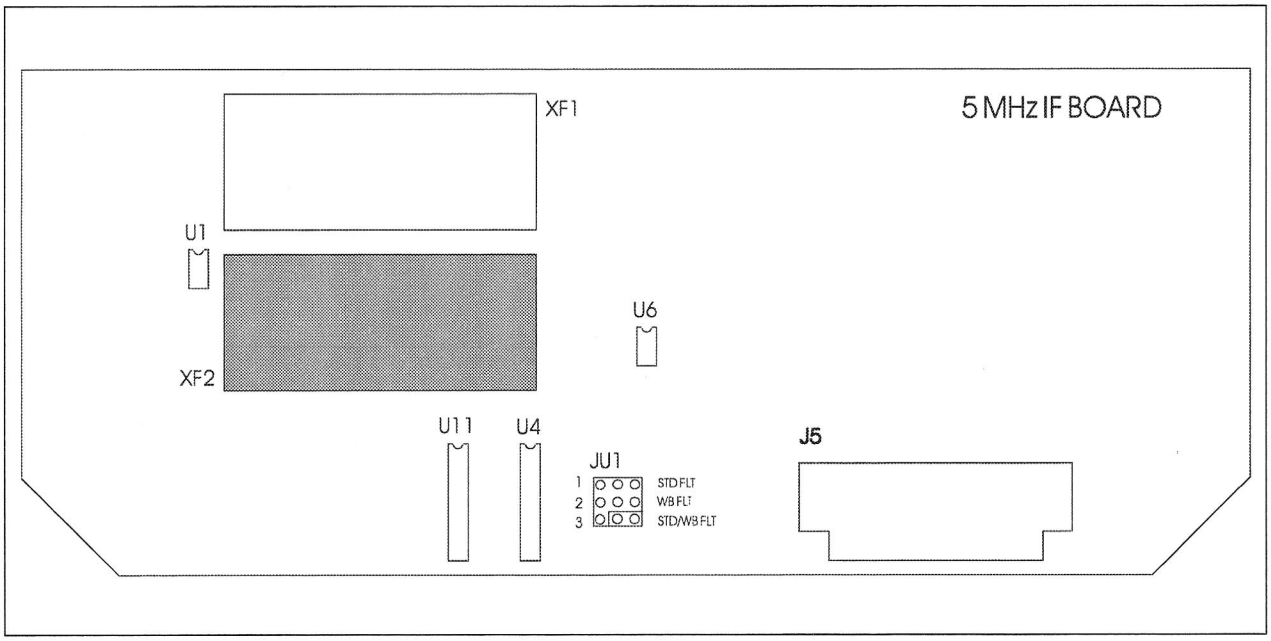

Figure 6-23. Wideband 1 Component Placement

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