

## NOTE

The BAND switch on your receiver has an AUX position, utilization of which will be described here in an example.

**Example:** Addition of the 15 MHz WWV band. Receive frequency band:  
15 to 15.6 MHz

parts used:	Part No.
Antenna tuning coil	L31-0016-04
RF tuning coil	L31-0023-04
Oscillator coil	L32-0007-04
Oscillator crystal ( $f = 23.895 \text{ MHz}$ )	L77-0180-15

### Installation

1. Remove the bottom cover from the receiver.
2. Remove the shield plate on the coil pack.
3. Loosen the two screws holding the band switch shaft as shown in Figure 1.

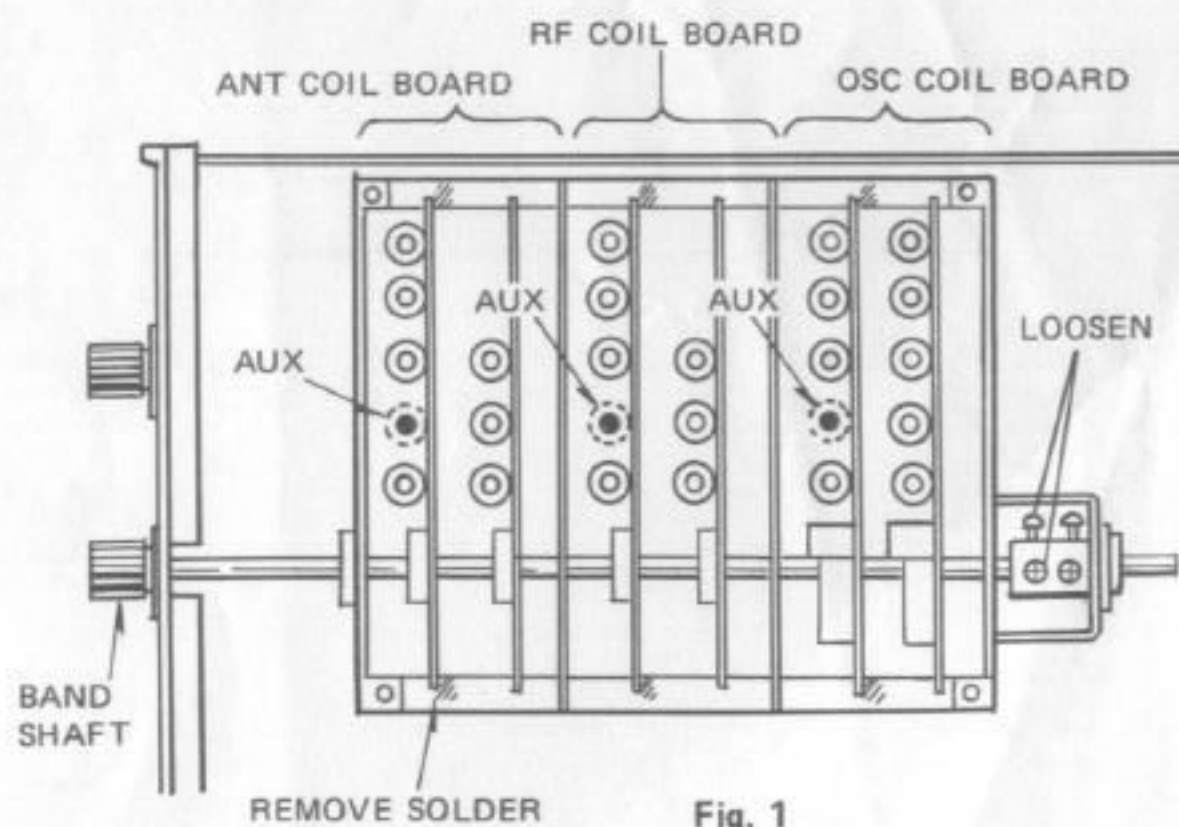


Fig. 1

4. Draw the band switch shaft knob toward you for removal.
5. Each coil pack contains a pair of PC boards.
6. Unsolder the leads from the AUX band PC board in the coil pack.  
**CAUTION:** Record the position of each lead before unsoldering.

7. Install the parts in each coil pack in a manner similar to those already installed.
  - a. Install antenna coil on the antenna PC board.
  - b. Install the RF coil on the RF PC board.
  - c. Install the oscillator coil and crystal on the oscillator PC board.
8. After parts installation, reinstall PCB's by reversing Steps 1 through 6.

### Alignment

#### A. Set-up

1. Loosen the quick release latches, opening the top cover of the receiver.
2. Connect an RF VTVM to the OSC and G terminals on the RF unit as shown in Figure 2.

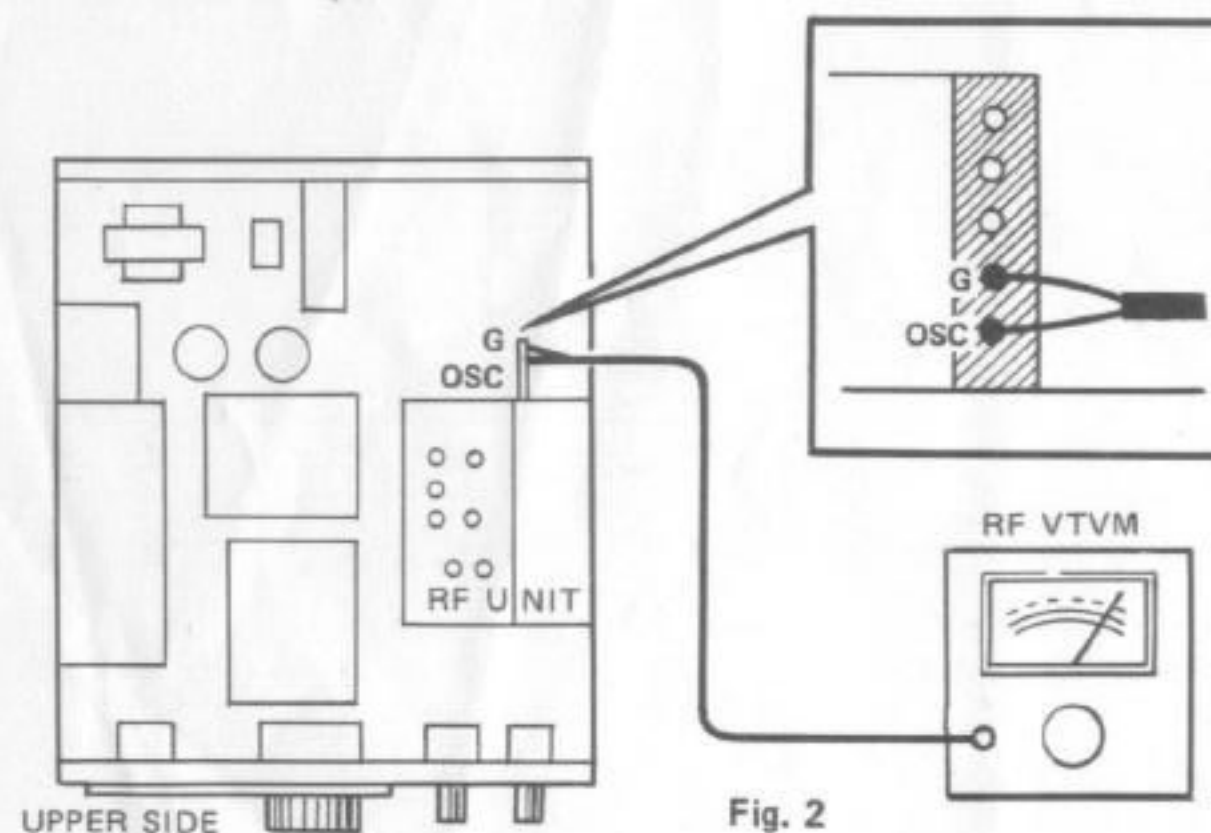


Fig. 2

3. Set the BAND switch to the AUX position.
- #### B. Aligning the oscillator coil
- Adjust the AUX band oscillator coil for maximum.
- #### C. Aligning the antenna and RF tuning coils
1. Disconnect the RF VTVM.
  2. Set the FUNCTION switch to the 25 kHz CAL position.
  3. Tune the marker signal at "0" dial setting.
  4. Set the PRESELECTOR control to the 10:30 position.
  5. Adjust the AUX band antenna and RF coils for maximum S meter reading.