NOTE: To make sure it is heard on each band, a high content of harmonic energy is needed in the 100 kHz calibrate signal. Because of this, some spurious signals may also appear when tuning across some segments of the bands. The desired 100 kHz calibrate signals are easily identified by their greater signal strength. Also, the proper harmonics may be peaked by the DRIVER PRESELECTOR.

VFO SHIFTER ADJUSTMENT

( ) Adjust the MAIN TUNING dial to 200 kHz and the BAND switch to 3.5.

( ) Set the FUNCTION switch to CAL.

( ) Turn the MODE switch to USB.

( ) Carefully zero beat the calibrator signal. Use the MAIN TUNING dial and peak the DRIVER PRESELECTOR control.

( ) Set the MODE switch to LSB. Be careful not to touch the MAIN TUNING dial. Note that the calibrator signal may or may not be exactly at zero beat in the LSB position.

( ) Turn the SHIFT ADJUST on the VFO for an exact zero beat in the LSB mode. See Figure 1-2 (fold-out from Page 100).

( ) Recheck the zero beat in the USB mode to be certain of the adjustment. Repeat the procedure, if necessary.

DIAL CALIBRATION

NOTE: The instructions in this section use the 0 mark on the MAIN TUNING dial as the dial calibration point. The same instructions also apply at any 100 kHz marking.

( ) Set the BAND switch at 3.5 and the MAIN TUNING dial at 0 kHz. Zero beat the crystal calibrator signal at 3.5 MHz. If the 0 mark on the dial is not behind the index line in the dial window, proceed with the following steps.

( ) Note which way you turn the dial, and move the 0 on the dial behind the index mark in the dial window.

( ) Push the ZERO SET button to lock the dial in place, and turn the dial knob in the opposite direction to bring the calibrate signal into zero beat at the 0 mark on the dial. Release the ZERO SET button.

( ) Check the accuracy of the adjustment and repeat the above steps, if necessary.

This completes the alignment of your Transceiver.

NOTE: To verify that the VFO is operating on the proper frequency, tune in a signal of known frequency, such as time station CHU on 7335 kHz. This station is operated by the Dominion Observatory, Canada.