

- () Again refer to Figure 1-1 and use the alignment tool to adjust the bottom slug of the VFO coil until a zero beat is heard from the calibrated receiver. This adjustment is rather difficult to accomplish since the zero beat point can be passed over very easily. Carefully rotate the coil slug back-and-forth until the zero beat is reached.
- () Tune the calibrated receiver to 14.2 MHz.
- () Tune the Transceiver to 14.2 MHz.
- () If a zero beat is not heard, rotate the front trimmer on the VFO capacitor slightly in either direction until a zero beat is reached.
- () Again tune the calibrated receiver and the Transceiver to 14.0 MHz and check the zero beat. Then recheck the 14.2 MHz position for a zero beat. When no further improvements can be made in the zero beats, proceed to the next step.
- () The calibrated receiver is no longer needed; set it aside.
- () Set the main tuning to 14.1 MHz.
- () Key the Transceiver and rotate the TUNING knob for a peak meter indication between 1 and 2 on the tuning dial. Release the key.
- () Key the Transceiver and adjust the 20M DRIVER capacitor for a peak meter indication. Release the key.
- () Key the Transceiver and adjust the 20M DOUBLER coil for a peak meter indication. Release the key.
- () Press in the 15M pushbutton.
- () Set the main tuning to 21.15 MHz.
- () Key the Transceiver and rotate the TUNING knob for a peak meter indication between 2 and 3 on the tuning dial. Release the key.
- () Key the Transceiver and adjust the 15M DRIVER capacitor for a peak meter indication. Release the key.
- () Key the Transceiver and adjust the 15M TRIPLER coil for a peak meter indication. Release the key.

TRANSMITTER ALIGNMENT

- () Press in the 40M pushbutton on the Transceiver.
- () Tune the main tuning to 7.1 MHz.
- () Key the Transceiver. Rotate the TUNING knob for a peak indication on the relative power meter and release the key.
- () Key the Transceiver and adjust the 40M DRIVER capacitor for a peak meter indication. Release the key.
- () Key the Transceiver and adjust the 40M DOUBLER coil for a peak meter indication. Release the key.
- () Press in the 20M pushbutton.

NOTE: This completes the alignment of the Transceiver for VFO operation. If the Transceiver will be used for crystal operation, install your particular crystal and press in the CRYSTAL TRANSMIT pushbutton. Then adjust the DRIVER capacitor for a peak meter indication on the band you have the Transceiver tuned to.

- () Key the Transceiver and adjust the DELAY control for the desired amount of "delay" that the transmitter "holds in" after the last transmitted character.
- () Do not attempt to adjust the audio filter coil as it was adjusted at the factory.

This completes the "Alignment" of the Transceiver. Proceed to the "Final Assembly" section of the Manual.