

- ✓ Loosen the setscrew on the C-1 end of the shaft coupler and align this part on the two shafts. Tighten both setscrews.
- ✓ Be sure the shaft of C-1 and the shaft of the vernier drive are in line. That is, one shaft must not be either higher or lower, or to the right or left of the other, as illustrated below. If the shafts do not line up, loosen the vernier drive screws and the dial support bracket screws and reposition so the shafts are perfectly in line. Tighten the screws.

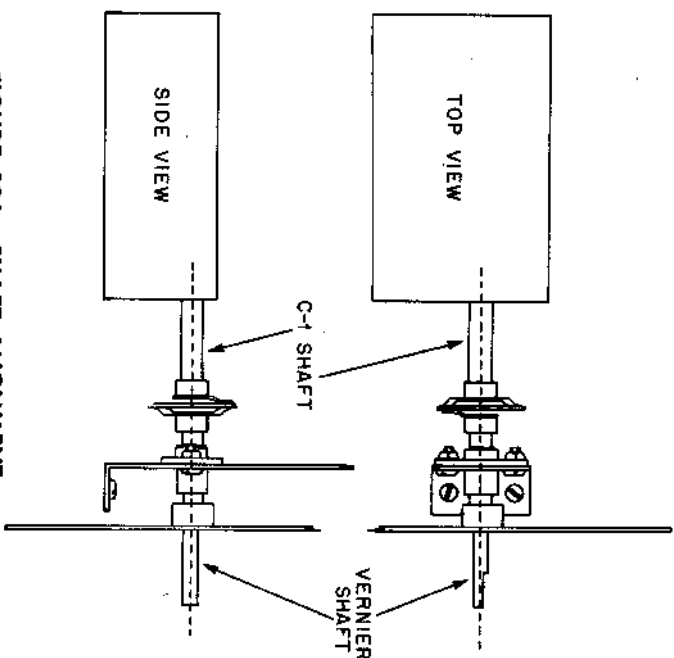


FIGURE 20A. SHAFT ALIGNMENT

- ✓ Solder one end of a $1\frac{1}{2}$ " bare wire to terminal 3 of C-1. Connect, but do not solder, the other end to terminal 2 of TS-7.
- ✓ Connect, but do not solder, one lead of C-10, a $200 \mu\text{fd}$ (.0002) mica capacitor, to terminal 2 of TS-7. Connect, but do not solder, the other lead to terminal 1 of TS-7.
- ✓ Solder one end of a red wire to terminal 1 of TS-7. Solder the other end to terminal 1 of C-2.
- ✓ Trim the green wire coming through grommet D to the correct length to connect to terminal 2 of TS-7. Solder it to terminal 2.

- ✓ Trim the green wire coming through grommet E to the correct length to connect to terminal 2 of C-1. Connect, but do not solder, it to terminal 2.
- ✓ Solder one end of an orange wire to terminal 2 of C-1. Solder the other end to terminal 2 of C-2.
- ✓ Solder the yellow wire coming through grommet F to terminal 1 of C-1.
- ✓ Solder the top of the RF shield plate to the frame of C-1 as shown.
- ✓ From the component side of the IF board, insert one end of a white-red wire in hole A. (Solder it on the foil side.) Route it as shown. Connect, but do not solder, the other end to terminal 1 of TS-6.
- ✓ Before mounting the MAIN TUNING and BANDSPREAD dials, be sure there is a setscrew in the hub of each dial.
- ✓ Slip the BANDSPREAD dial (with five scales of numbers printed on it) over the shaft of C-2. DO NOT tighten the setscrew of the dial.
- ✓ Slip the MAIN TUNING dial (with four scales of numbers printed on it) over the long thin shaft of the vernier drive. DO NOT tighten the dial setscrew.
- ✓ Attach the dial crystal to the two dial crystal mounting brackets. Use four $3-48 \times \frac{1}{4}$ " screws and nuts.
- ✓ Turn the shaft of C-1 fully counterclockwise so the plates are fully closed. Push the MAIN TUNING dial as close as possible to the dial crystal without letting the dial touch the bracket. Align the hairline at the low frequency end of the dial with the hairline on the crystal. Tighten the setscrew.
- ✓ Turn the BANDSPREAD capacitor shaft fully counterclockwise so the plates are fully closed. Push the BANDSPREAD dial as close as possible to the dial crystal without letting the dial touch the bracket. Align the hairline at the low frequency end of the dial, with the hairline on the crystal. Tighten the setscrew.

For accurate hairline alignment for both MAIN TUNING and BANDSPREAD dials, it may be necessary to readjust the position of the dial crystal.