

'Rough' Alignment Procedure

- PLL: A. Ch. 40, AM, RX, Clarifier Mid; adjust L13 for max RF voltage at TP4.
- B. Adjust L14 for a reading of approximately 4.5VDC at TP2.
- C. Ch. 19, USB, RX; adjust L15 for max RF voltage at TP3.
- D. Adjust L17 to read 16.4925MHz at TP3.
- E. AM; adjust L16 to read 16.4900MHz at TP3.
- F. LSB; adjust L18 to read 16.4875MHz at TP3.
- G. USB, TX; adjust VR3 to read 16.4875MHz at TP3.
(NOTE: if unit has a "modified clarifier" circuit, omit.)
- H. USB, RX; adjust L20 for 10.6925MHz at TP5.
- I. LSB, RX; adjust L21 for 10.6975 at TP5.
- J. Disconnect 'bar' (TP6, TP7, TP8), AM, TX; adjust L19 for 10.6950MHz... reconnect the bar...
- RECEIVE: A. Peak for Max. Audio using Sig Gen in USB, Ch. 19; L3, L4, L5, L6, L7, L8, L9, and L10.
- B. Mode to AM, peak L3 for max audio.
- C. VR1 - RX Mtr, VR2 - Sq Rng.
- D. Leave Sig Gen at Ch. 19 setting; unit to Ch. 18. Adjust L1 and L2 for max DC Volts at TP1.
- TRANSMIT: A. Ch. 19, USB, TX (No mod.); adjust VR9 to read 10ma between TP8 (+) and TP7 (-).
- B. Adjust VR8 to read 100ma between TP8 (+) and TP6 (-). RECONNECT BOARD....
- C. USB/LSB TX (No mod.); adjust VR4 for minimum carrier leakage.
- D. VR6 to CW position; adjust for max RF power output in USB: L40, L39, L38, L37, and L27.
- E. Turn VR6 CCW to obtain desired SSB RF TX level.
- F. Adjust VR10 to obtain desired RF TX level in AM.
- G. VR7 - TX Mtr.