

ALIGNMENT INSTRUCTIONS

Albrecht AE 5100/ 5150 / 5180

PHASE LOCKED LOOP AND CPU SECTION (AM / FM / CB)

1. TEST EQUIPMENT REQUIRED

- A. FREQUENCY COUNTER
- B. DC POWER SUPPLY (13.2V, 3AMP.)
- C. DC VOLTMETER
- D. OSCILLOSCOPE

2. ALIGNMENT PROCEDURE

STEP	SETTING	CONNECTION	ADJUST	ADJUST FOR
1	CPU FREQUENCY CHECK: CONDITION: RECEIVE VOLUME: OPTIONAL SQUELCH: OPTIONAL	CONNECT FREQUENCY COUNTER TO IC801 #80	CT1	5.0MHz \pm 50Hz FREQUENCY TOLERANCE
2	FREQUENCY ADJUST: CONDITION: RECEIVE VOLUME: OPTIONAL SQUELCH: OPTIONAL	CONNECT FREQUENCY COUNTER TO Q611(BASE)	CT2	10.240MHz \pm 50Hz
3	TX VCO VOLTAGE ADJUST: CONDITION: TRANSMIT VOLUME: OPTIONAL SQUELCH: OPTIONAL CH. POSITION: 1	CONNECT DC VOLT METER TO R105(6.8K)	T101	4.4V \pm 0.2V
4	RX VCO VOLTAGE ADJUST: CONDITION: RECEIVE VOLUME: OPTIONAL SQUELCH: OPTIONAL CH. POSITION: 1	CONNECT DC VOLT METER TO R105(6.8K)	T103	3.6V \pm 0.2V