

PRESIDENT ZACHARY T, DWIGHT D
WITH uPD 2816C PLL

Channel expansion is possible using the Zapper oscillator-injection module. Remove C79 and install kit in its place.

RECEIVER ALIGNMENT:

Peak L8, L7, L6, L5, L3, L2, L1.

VR1 IF Gain.

VR3 Squelch Range.

VR2 S Meter 9=100uV.

TRANSMITTER ALIGNMENT:

Peak L24, L25, L17, L16, L13. Do not touch L10 - TVI filter.

VR6 AMC (or remove TR16).

VR4 RF Power Meter.

VR201 Power Supply voltage output (Zachary T only).

Remove D13 and install solid wire jumper in its place.

SYNTHESIZER ALIGNMENT:

L23 Scope or RF VTVM on TP6 - Peak.

L21 Adjust for 10.240 using frequency counter @ TP6.

L20 VCO Coil 2.1V Ch. 40 rec./3.3V Ch. 40 Xmit.

L19 Scope or RF VTVM on TP11 (IC2, pin 4) - Peak.

L18 Scope or RF VTVM to TP2 - Peak.

MICROPHONE WIRING:

1. Audio Shield and Common.
2. Audio Hot.
3. Transmit.
4. Receive.

NOTE: Zapper can be obtained from your favorite Secret CB Dealer or order direct from "Secret CB".