

SPECIFIC TUNEUPS

Realistic TRC-217; 40 Channel Walkie-Talkie (New for '86). LC7131-PLL. Nothing spectacular, just another W/T with lower retail price (under \$100). Tune-up, etc. as follows:
TX: T7, T8, T9, L12, and L13. R68 (22K) is AMC disable.
R83 can be changed to a lower resistance for higher RF output. R84 may also be changed to a higher resistance for a lower RF output. (Note: Do the R83 first or will have to re-work this as is directly proportional.)
RX: L2, T1, T2, T3, and T4. VR3 is Sq. Rng.

UNIC CB-40; 40 Channel Mobile (PLL-C5121). New type unit with Up/Down channel select switch. Schematic/Block diagram comes with unit! Finally a manufacturer with some marketing sense... "Tune-up" is as follows: RV1-Sq Rng, RV2-Rx Lights, RV3-Tx Lights, RV4-AMC (R65, 10K is disable...IF NEEDED).
RX: T1, T2, T3, T4, and T5. TX: T7, T9, T10, and L11.
R99 - 10 ohm/1W may be lowered in value for higher RF output, the same applies for R100(4.7 ohm). C23(1Mfd/50V) electrolytic may be increased for better noise control; as doubling up CF2 will help rejection. Unit does have a 10W/3A RF Final, so don't be afraid to push it!

UNIC CB-50; 40 Channel 'DELUXE' Mobile (PLL-IC7131). This unit has just about everything on it! Schematic is in the owner's manual. "Tune-up".....RV3-Sq Rng, RV4-"Clarifier Alignment in TX mode: TX on channel 19, adjust for 27.185MHz \pm 100Hz".
VR5-Tx Mtr Adj, RV6-AWI Adj. Rx: T1, T2, T3, T4, and T5.
Tx: T7(CAREFULLY), T8, T9, and T10. (You may also try L14, L6, and L17.) AMC disable is D22 if needed.

Cobra 39XLR; "HELP" 40 Channel 'Emergency Mobile Unit' (PLL-IC7131).
Tune-up: RV1-AMC (C47 is defeat, if needed), RV2-Sq Rng.
RX: T5, T6, T7, T8, and T9. C22's value may be increased for better ANL, but will directly affect audio level-careful.
TX: (T10-carefully); T2, T3, T4, and L6. RF final transistor is rated at 10W/3A, so don't be afraid to push unit!

Cobra 40X; 40 Channel Mobile (PLL-IC7131). "Tune-up"; RV101-Sq Rng, RV102-Rx Mtr, RV201-AMC (defeat is C215, if needed), RV202-Tx Mtr. RX: L101, L102, L108, L103, L104, L105, L106, and L107. C124 may be increased in value for better ANL, watch for audio deterioration. TX: (L203-carefully); L301, L302, L303, L304, L305, and L306. R316 and/or R320, may be lowered in value for increased RF output.

Cobra 25 PLUS; 40 Channel mobile (PLL-SM5123A). This is one of the new PLUS Series. From information received the schematic comes in the Owner's Manual now! (It's about time someone woke up at the snake factory). "Tune-up" is as follows: STAY OUT of L1 unless you are familiar with N.B. alignment.
RX: L2, L3, L4, L5, L6, and L7. VR1-Rx Lights, VR2-Sq Rng, VR3-Tx Lights. TX: (L9-carefully); L18, L17, L16, L15, and L12. (D20 is AMC defeat, IF NEEDED). RF Final is rated at 12.5W/4A, so push it!