

## SPECIFIC RADIO TUNE-UPS

### ALARON B-4075

**TX:** PEAK - L-302, L-303, L-304, L-305, L-306, L307, L-308, L-309  
RV219 - Mic. Gain Output  
Pull - D-202 (AMC Defeat)  
RV301 - RF Mtr. adj.  
**RX:** RV101 - Sq. rng.  
RV102 - S Mtr. adj.

### ALARON B-4900

**TX:** Peak out - L-401, L-403, L-406  
VR402 - RF Mtr. Cal.  
AMC Defeat - C228  
**RX:** VR102 - AGC  
VR301 - Sq. Rng.  
VR401 - S Mtr. Cal.

### ALARON B-5050A

**TX:** Peak - L-302, L-303, L-304, L-305, L-306, L-307, L-308, L-309  
RV407 - Voltage Adj. (13.8 VDC to D.C. Gnd.)  
RV219 - Mic Gain  
RV301 - RF Mtr. Adj.  
**RX :** RV101 - Sq. Rng.  
RV102 - S Mtr. adj.

Change - R203: 4.7 K to 2.7 K resistor  
Pull - Q202, Q206, Q208, D204, D202, C227

### COBRA 77X

**TX:** Peak - L-208, L-209, L-210, L-211, L-212, L-214  
VR207 - AMC Defeat, C-270  
VR206 - RF Mtr. Adj.  
**RX:** VR201 - AGC  
VR204 - Sq. Rg.  
VR205 - S Mtr. Adj.

### COLT 1200 (EXCALIBUR)

(This radio has best RX filtering of any we have seen!)

Changes to unit: Change insulators on Q9, Q10, and all other transistors with "91 day wonders" to mica TO-220!  
(2) Change C-1 in P/S 2.200 mf to 5,000 mf/50V.  
(3) Change C-2 in P/S 100mf to 220 mf/50V.  
(4) If R-302 not in unit, put in. It should be 270 ohm,  $\frac{1}{2}$ W - saves on bulb life.  
(5) Add 300 ohm (need 2 resistors) to signal meter light in series. Also to RF/SWR meter light.  
(6) Take D-701 out of circuit.  
(7) Change final to 2SC1307.

(NOTE): Do not exceed 10W in AM mode, dead key!

SPECIFIC RADIO TUNE-UPS (Cont'd):

COLT 1200 (Excalibur) (Cont'd)

TX. ADJ.: Max.: T-4, T-5, T-6, L-11, L-7, L-13  
RV4, RV5: Carrier Balance  
RV-1: Final Bias  
RV-11: SSB Mic Gain  
RV-2: SSB RF ALC (Do not exceed 18 watts!)  
RV-12: AM AMC  
VR-9: AM Power (Do not exceed 10W dead key!)

RX. ADJ.: RV-3: RF Meter (AM)  
RV-8: AGC  
RV-9: AM Sq. Rng.  
RV10: SSB Sq. Rng.  
RV-6: AM S Mtr.  
RV-7: SSB S Mtr.

NOTE: RV501: SWR Meter cal.

G.E. 3-5811B

TX. ADJ.: Peak: L-5, T-3, T-4, L-7, L-11, L-12  
RV2 - AMC (Defeat C-96)  
RV4 - RF Mtr. Adj.

RX. ADJ.: RV1 - Sq. Rng.  
RV3 - S Mtr. Adj.

G.E. 3-5821A

TX. ADJ.: Peak: L-901, L-903, L-905  
VR10 - AMC (Defeat, R-554)  
VR11 - RF Mtr. Adj.  
VR12 - AWI (connect 250 ohm 5W across antenna jack,  
adjust til light comes on!)

RX. ADJ.: VR-3 - AGC  
VR-1 - RF Gain Rng.  
VR-5 - Sq. Rng.  
VR-7 - Priority Sq. Adj.  
VR-6 - S Mtr. Adj.

G.E. 3-5825A

TX. ADJ.: Peak - (T-4 on 40 USB; T-5 on 1 USB), peak following on  
19 USB - T-11, RV11, T-6, L-7, L-11, L-13.  
RV-1 - Final Bias  
RV4,5- Balance  
RV2 - SSB Power  
VR-5 - AM Power  
RV12 - AMC  
RV-3 - Power Mtr. Adj., A.M.  
RV501- AWI