

## SPECIFIC TUNEUPS

New '84 - Realistic TRC-86 (21-1608), 1W/3 Ch. Walkie-Talkie.  
Cheap, low-priced walkie-talkie.....Over-priced at \$40 retail. Has no I.F. filtering! VR3-Sq Rng. RX Adj: T1, T2, T3, T4, T5, and T6. Adjust TX with antenna fully extended and use field strength meter. TX Adj; T8, T9, T10, L4, L2. (Canadian models: remove wires going to junction C72/Q13-collector, R61, and R62. Only do this if additional modulation is needed.) R45 may be changed to lower value for power increase.

\* \* \*See page <sup>20</sup>~~48~~ for Fo Modification Notes..

New '84 - Realistic TRC-214 (21-1637), 3W/3 Ch. Walkie-Talkie.  
Almost, worth the money on this one. Only difference from the other 3 Channel units is the Antenna, Ext. Ant. Jack, Ext. Power Jack, and a different RF Final. This unit does have I.F. Filtering, and is fair. VR3-Sq Rng. RX Adj: T1, T2, T3, T5, T6. Transmit may be adjusted on a dummy load or field strength meter. Suggest dummy load, and doing the final adjustment using the Antenna and field strength meter for T10 and L4. TX Adj: T8, T9, T10, L4. R41 may be changed to lower value for higher power output. If additional modulation is needed remove R60 (15K).

\* \* \*See page 48 for Fo Modification Notes..

Realistic TRC-208 (21-1651), 5W/6 Ch. Walkie-Talkie.  
Transmit: Peak in HIGH PWR, using Scope or Field Strength Meter, the antenna should be fully extended for optimum efficiency. May be peaked on dummy load: T6, L3, L6, L7, and VR5. Adjust VR3 for maximum modulation. Switch to LOW PWR: adjust VR2 for max mod. Mod. defeat is R49 (1K), located to right of audio chip on PCB component side. RX Adj: T3, T4, T1, T2, in this order. VR1-Sq Rng. NOTE: R/S part # for new antenna is A-0292 and some \$\$\$....

\* \* \*See page 48 for Fo Modification Notes..

J.C. Penney 981-6221 (uPD861-PLL, 2-Xtal Chassis).  
CAUTION: Square holes in some tuning coils...Use correct tuning tool. Transmit: Peak - T701, T702, T703, T704, T705; R708 may be changed to a lower value to increase power. Receive: Peak - T101, T102, T201, T202; DON'T TOUCH T104, unless you are familiar with NB adjustment! Change C211 to 3.3Mfd/50VDC electrolytic to improve noise - be careful as will deter audio; might have to start with a lower value. RTL-S Mtr; RT2-RF Mtr; RT101-RF Mixer Gain; RT102-TX Fo Adjustment. Modulation increase may be achieved by removing D502 and/or Q502 also. Overall performance of unit - fair.

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CORRECTION: Vol. 19, Pg. 34.

GRANT-DX, UPPER Fo MOD.

CHANGE: Pin number from 8 to 9, see correct drawing below.

