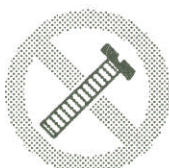
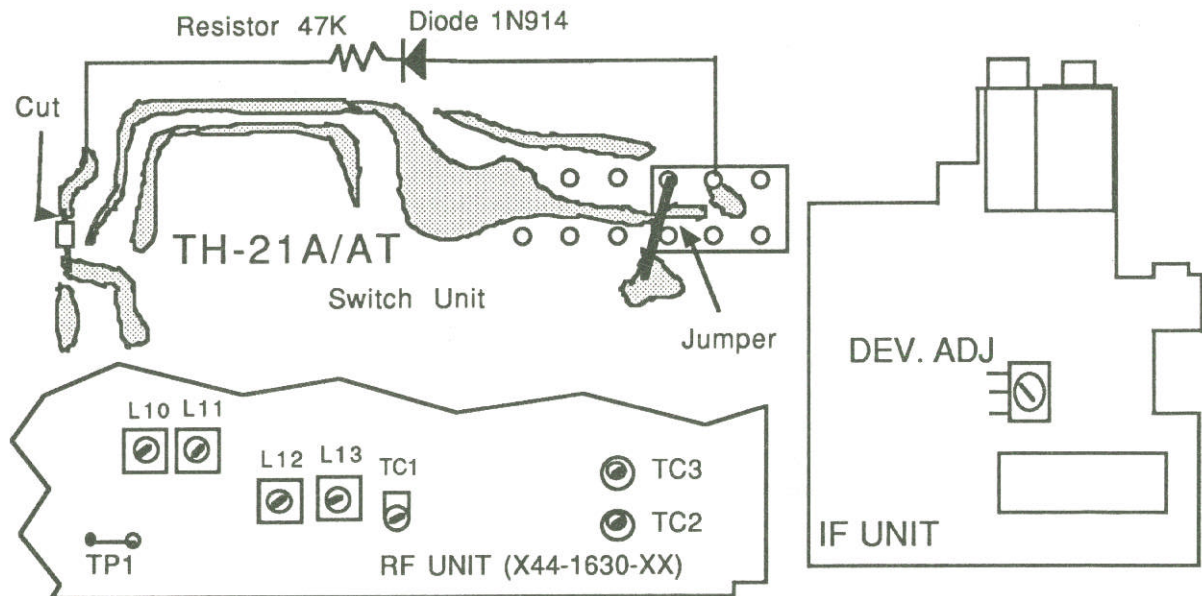


# KENWOOD TH-21A/AT

## EXPANDED RF 140-159 MHz

1. Disconnect the battery and antenna.
2. Remove knobs, antenna nut ring and plastic top
3. Remove front panel.
4. Locate switch unit. (PCB X41-1590-00) This unit has the Vol, Squ etc.
5. Cut trace between R1 and D4,D5
6. Install a jumper from the common point of R11, R5 & 5C to the corner of the tone switch.
7. Install a 1N914 diode and 48K resistor from the center top pin of the tone switch to the end of resistor R1. (R1 was cut in step 5).  
Note: Cathode end of the diode goes to the tone switch top center pin.  
Cathode end of a diode has the line.
8. Adjust L10,L11,L12,L13,TC1,TC2 & TC3 for maximum upper frequency range.
9. Reassemble the radio.

Depress the tone switch to receive from 140 to 149 MHZ  
Tone switch off for 150 -159 MHz.



Caution

These modifications have not been tested. The Author, Publisher and all other parties takes NO responsibility or liability for any damage or violation resulting from these modifications. Performing any modification may be a Violation of FCC Rules and will void the warranty of the radio. Use of any modified radio may be a violation of FCC rules. If you have any doubts, DO NOT PERFORM THIS MODIFICATION.

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