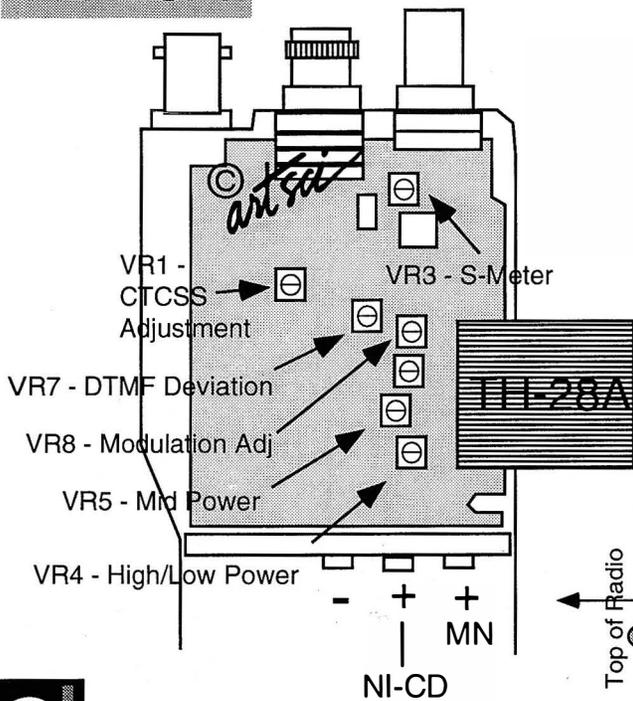
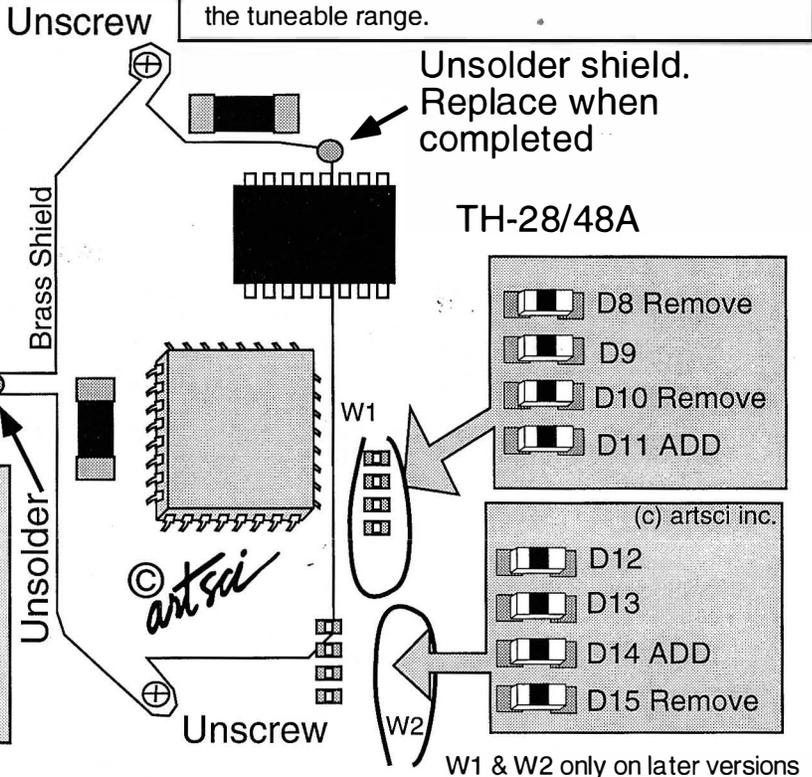


TH-28A



Expansion Range

The Exact range of this radio is not know as of press time. However most radios expand from 138 Mhz - 165 Mhz & 420 - 469 Mhz. Remember that the electronic circuits can only tune a 20-30 MHz window around the original center frequency (tuned at the factory) you may have better performance at the top or the bottom ends of the tuneable range.



- | | |
|-----------------|------------|
| | D8 Remove |
| | D9 |
| | D10 Remove |
| | D11 ADD |
| (c) artsci inc. | |
| | D12 |
| | D13 |
| | D14 ADD |
| | D15 Remove |

W1 & W2 only on later versions
Auto offset is disabled

KENWOOD

Expansion to 179.995 (some units)

1. Dial 169.995 MHz in VFO
2. Press [7].
3. Press [VFO]
Display should show 179.995
4. Press & hold [M] for longer than 1 second
5. Press [4] (selects upper VFO range)

Expanded RF Modification

1. Disconnect the Battery and antenna.
2. Remove 4 back case screws and open the radio.
THERE ARE 2 VERSIONS OF THIS RADIO. The later one has 2 green jumper wires. Some users report full expansion requires performing all steps below.
Some users should not Cut jumper W2.
3. Cut W2 jumper only and go to step 9 below.
4. Locate & Unsolder the two solder tack point on the shield.
5. Remove the two screws holding the shield.
6. Locate chip diode positions D8.....D15. (part # MA110 or 1SS355)
7. **Remove Diode D8, D10 & D15.** (save the diodes)
8. **Install Diodes D11 & D14.** (used diodes removed in the previous step)
9. Reassemble the radio.
10. **Reset the microprocessor.** (Press and hold [M] and turn power on)

