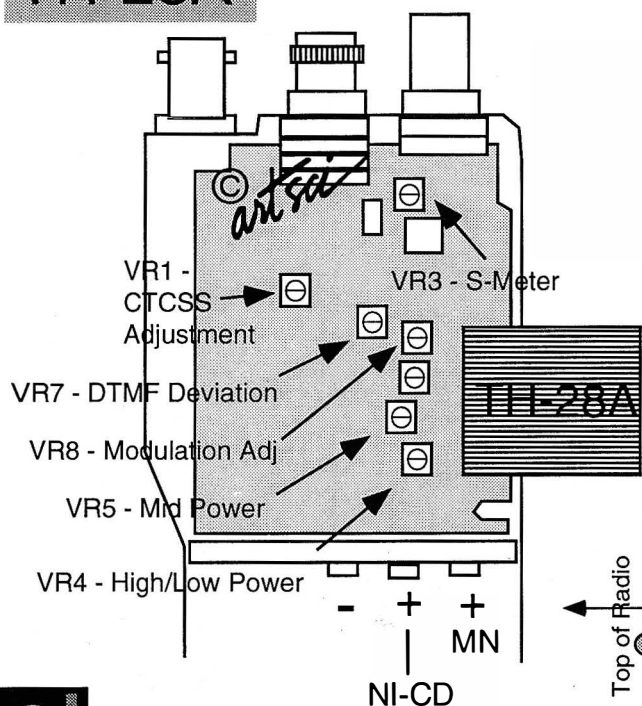


Kenwood TH-28A

Receive and Transmit Expansion

Expansion Range

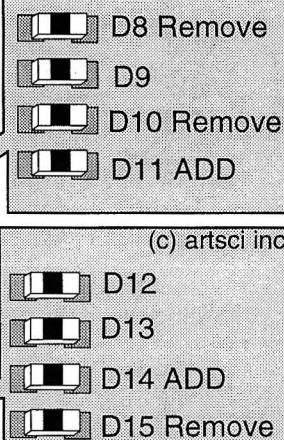
The Exact range of this radio is not know as of press time. However most radios expand from 138 Mhz - 165 Mhz & 420 - 469 Mhz. Remember that the electronic circuits can only tune a 20-30 MHz window around the original center frequency (tuned at the factory) you may have better performance at the top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



Unscrew

Unsolder shield. Replace when completed

TH-28/48A



(c) artsci inc.

W1 & W2 only on later versions

Auto offset is disabled

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)

Radio/Tech Modifications Volume A

Photocopies are a violation of copyright law. © artsci inc. all rights reserved.

Have the original book with you when you call with a question. **Use at your own Risk!**

The Author and all other parties take no responsibility for any damages or violations caused by these modifications. Some modifications may violate FCC rules.

(818) 843-4080 12-4 PST • www.artscipub.com • artsci@artscipub.com