REALISTIC TRC 450 (MB8734 CHIP)

Channel Expansion:

1) Change IC2 to an MB8719 PLL Chip.
2) Unground Pin 10 of IC2.
3) Wire the switches as follows:

![Switch Wiring Diagram]

This will give channels from 26.815-28.045 in various combinations.

Widebanding Clarifier:

4) Remove C81
5) Change R84 to a 47K ohm $\frac{1}{4}$watt resistor.
6) Run GRAY wire on clarifier to pin 1 of IC5, to pick up 8V regulated source for Receive and Transmitt.
7) Ground BLACK wire on Clarifier.
8) Clip D36
9) Clip R187 (if there).
10) Adjust VCO L13, for coverage on all channels.
11) Replace D37 with a Super Clarifier Diode.
12) Adjust CT3, for USB; L19, LSB; L20, for AM.
13) VR6- AM Power.
14) AM Modulation - Clip D42 (near transformer).
15) VR7- SSB/ALC.
16) Readjust VRS for minimum carrier on LSB and USB with no modulation input (if steps 4 and 5 are carried out).

Refer also to pages 25-27.