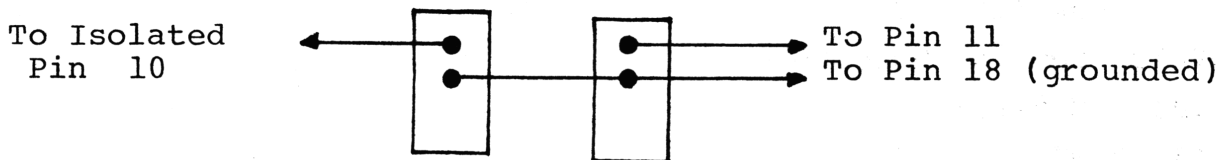


REALISTIC TRC490 (MB8734)

FREQUENCY EXPANSION:

1. Locate IC2, MB8734 and remove by unsoldering all 18 pins and lifting out.
2. Install an 18 pin socket or solder an MB8719 Chip directly in place of IC2.
3. Isolate pin 10 from ground by cutting the foil pattern with an xacto knife.
4. Wire up two SPST Switches as shown below:



5. Adjust L13 VCO as necessary for full coverage from 26.815 to 28.045.

CLARIFIER:

1. Clip D36.
 2. Locate Brown wire which goes from one end of clarifier control over to R415. Cut this wire and resolder to ground so one end of pot will be grounded.
 3. Locate Red wire on the other end of clarifier pot. ~~Cut off of pot and tape.~~ *Solder from switch board and resolder to open hole NEXT TO C77 or SAME POINT*
 4. ~~Run a new wire from that end of pot to pin 1 of IC5 (MB3756 Voltage Regulator)~~
 5. Install a 2-8UH choke in series with the anode of D37 for desired amount slide.
- * D37 may be replaced with a Super Diode to increase slide. Replace the Clarifier pot with a 10 Turn Pot for best results.

REALISTIC TRC490 (MB8734) (Cont'd):

Clarifier Cont'd:

- CT3 is USB adjustment.
- L19 is LSB Adjustment.
- L20 is AM Centering Adjustment.
- VR5 is Carrier Balance.
- VR7 ALC.
- VR6 AM Power
- VR10 RF Power Meter Adjustment.
- L39 TVI filter.

Peak L26, L27, L28, L29, L36 and adjust for best all around power.

RX: Peak L10, L9, L8, L7, L6, L5, L4, L3.

- VR12 Squelch Threshold
- VR1 S Meter
- L1, L2 NB/anl Adjust.

FREQUENCY-CHANNEL NUMBER CHARTS

Frequency	Channel	Frequency	Channel	Frequency	Channel
26.965 MHz	1	27.135 MHz	15	27.295 MHz	29
26.975 MHz	2	27.155 MHz	16	27.305 MHz	30
26.985 MHz	3	27.165 MHz	17	27.315 MHz	31
27.005 MHz	4	27.175 MHz	18	27.325 MHz	32
27.015 MHz	5	27.185 MHz	19	27.335 MHz	33
27.025 MHz	6	27.205 MHz	20	27.345 MHz	34
27.035 MHz	7	27.215 MHz	21	27.355 MHz	35
27.055 MHz	8	27.225 MHz	22	27.365 MHz	36
27.065 MHz	9	27.255 MHz	23	27.375 MHz	37
27.075 MHz	10	27.235 MHz	24	27.385 MHz	38
27.085 MHz	11	27.245 MHz	25	27.395 MHz	39
27.105 MHz	12	27.265 MHz	26	27.405 MHz	40
27.115 MHz	13	27.275 MHz	27		
27.125 MHz	14	27.285 MHz	28		