

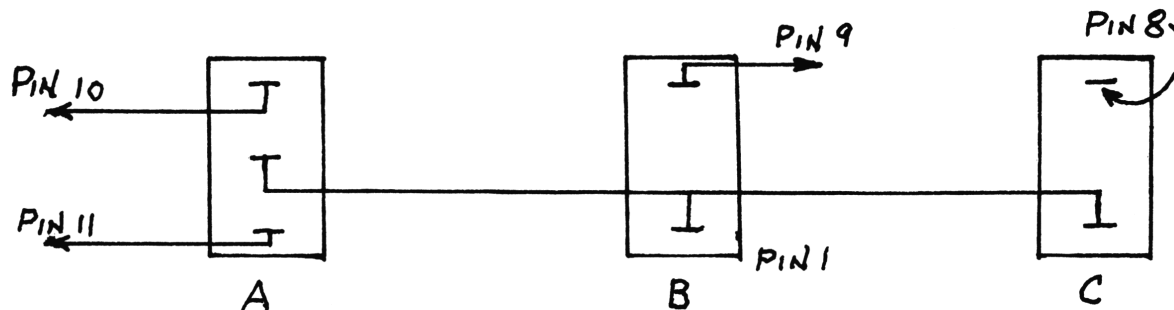
# SEARS ROADTALKER 40

MODEL #934-3827

## CHANNEL EXPANSION AND SLIDE

1. Remove R303. Unsolder the green wire from the clarifier control at the printed circuit board and connect to 8V regulated, which is found at point BB. There is a red wire soldered there. Solder the green wire to the red wire. Follow the black wire from the clarifier to where it is connected to the printed circuit board. Unsolder it and reconnect it to ground. The unit will now slide +2 and -2KHz. For +5 and -5 KHz, remove CT302 and CT301, D304 and D306, and install super diodes in place of D304 and D306.
2. For maximum AM modulation, connect the anode of an 1N914 diode to the base of Q405 and ground the cathode.
3. AM power - adjust RT602. ALC - adjust RT701. Adjust L702 and L708 with a 1000 Hz tone for peak AM. Note: RT602 is 13.8 V. regulator.
4. Cut the printed circuit trace at pin #9 and isolate the pin. Connect a 6" piece of wire to pins 8, 9, 10, and 11. Connect a 6" piece of wire to pin 1. You must have 3 switches; a single pole, double throw, center off; and two (2) single pole, single throw toggle switches. Connect pin #1 to the common of all three switches, pin 8 to the top terminal of switch C, pin 9 to the top terminal of switch B, pin 10 to the top terminal of switch A, and pin 11 to the bottom terminal of switch A. (See switch diagram) Adjust the VCO for full coverage.

REMOVE PIN 8 FROM 4.8V SOURCE



LOW FREQUENCIES

SWITCH A UP(SPDT), SWITCH B ON, SWITCH C ON:

<u>CHANNEL</u>	<u>FREQUENCY</u>	<u>CHANNEL</u>	<u>FREQUENCY</u>
1	26.485	21	26.575
2	26.495	22	26.585
3	26.505	23	26.615
4	26.525	24	26.595
5	26.535	25	26.605
6	26.545	26	26.625
7	26.555	27	26.635
8	26.575	28	26.805
9	26.585	29	26.815
10	26.595	30	26.825
11	26.605	31	26.835
12	26.625	32	26.845
13	26.635	33	26.855
14	26.485	34	26.865
15	26.495	35	26.875
16	26.515	36	26.885
17	26.525	37	26.895
18	26.535	38	26.905
19	26.545	39	26.915
20	26.565	40	26.925

SWITCH A CENTER/SWITCH B ON:

1	27.605	11	27.725	21	27.855	31	27.955
2	27.615	12	27.745	22	27.865	32	27.965
3	27.625	13	27.755	23	27.895	33	27.975
4	27.645	14	27.765	24	27.875	34	27.985
5	27.655	15	27.775	25	27.885	35	27.995
6	27.665	16	27.795	26	27.905	36	28.005
7	27.675	17	27.805	27	27.915	37	28.015
8	27.695	18	27.815	28	27.925	38	28.025
9	27.705	19	27.825	29	27.935	39	28.035
10	27.715	20	27.845	30	27.945	40	28.045

SWITCH A DOWN/SWITCH B OFF:

1	27.285	11	27.405	21	27.535	31	27.315
2	27.295	12	27.425	22	27.545	32	27.325
3	27.305	13	27.435	23	27.575	33	27.335
4	27.325	14	27.445	24	27.555	34	27.345
5	27.335	15	27.455	25	27.565	35	27.355
6	27.345	16	27.475	26	27.585	36	27.365
7	27.355	17	27.485	27	27.595	37	27.375
8	27.375	18	27.495	28	27.285	38	27.385
9	27.385	19	27.505	29	27.295	39	27.395
10	27.395	20	27.525	30	27.305	40	27.405

SEARS ROADTALKER 40, #934-3827 (Cont'd):

SWITCH A UP/SWITCH B OFF:

1	27.125	11	27.245	21	27.215	31	27.475
2	27.135	12	27.265	22	27.225	32	27.485
3	27.145	13	27.275	23	27.255	33	27.495
4	27.165	14	27.125	24	27.235	34	27.505
5	27.175	15	27.135	25	27.245	35	27.515
6	27.185	16	27.155	26	27.265	36	27.525
7	27.195	17	27.165	27	27.275	37	27.535
8	27.215	18	27.175	28	27.445	38	27.545
9	27.225	19	27.185	29	27.455	39	27.555
10	27.235	20	27.205	30	27.465	40	27.565

SWITCH A CENTER/SWITCH B OFF/SWITCH C OFF:

Normal 40 channels

SWITCH A DOWN/SWITCH B ON:

1	27.765	11	27.885	21	27.855	31	28.115
2	27.775	12	27.905	22	27.865	32	28.125
3	27.785	13	27.915	23	27.895	33	28.135
4	27.805	14	27.765	24	27.875	34	28.145
5	27.815	15	27.775	25	27.885	35	28.155
6	27.825	16	27.795	26	27.905	36	28.165
7	27.835	17	27.805	27	27.915	37	28.175
8	27.855	18	27.815	28	28.085	38	28.185
9	27.865	19	27.825	29	28.095	39	38.195
10	27.875	20	27.845	30	28.105	40	28.205

SEARS ROADTALKER 40

934-38310700

For extra channels, refer to Secret CB, Volume 6, page 28 for the Roadtalker 934-38270700. For extra low, use 12.220 MHz crystal.

**CLARIFIER**

YELLOW WIRE TO POINT 6

