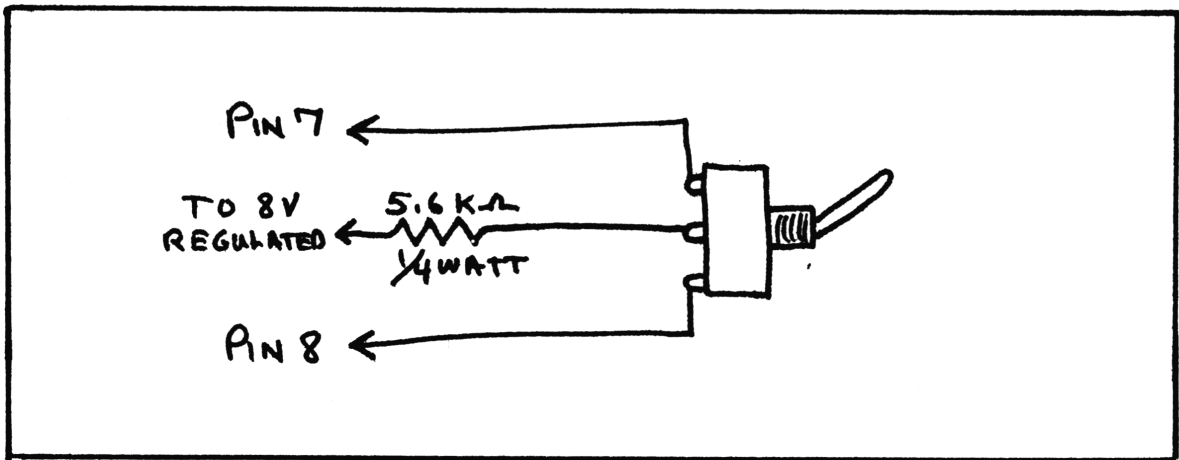


## RANGER T 4012 WITH MB8709 CHIP

### CHANNEL EXPANSION AND MODIFICATION:

- 1-Lift anode side of D209 from PC Board.
- 2-Cut D206.
- 3-Replace D205 with a super diode.
- 4-Replace RV205 with a 20K ohm POT.
- 5-Connect one side of new RV205 to 8 volts regulated pin #3 of IC5 and the other side to PC Board ground. Connect the wiper of RV205 to the anode side of D207. Install a 5.6K ohm across cut to pin #8.



Install a SPDT Center Off toggle switch as show.

### POWER

RV8 maximum, RV3 maximum. Adjust +2 and +3.  
Adjust T5, L3, and L6 for maximum.  
Deflection on a peak reading meter with 1000 HZ tone.

SWITCH UP

12	27.425	20	27.525
13	27.435	21	27.535
14	27.445	22	27.545
15	27.455	23	27.575
16	27.475	24	27.555
17	27.485	25	27.565
18	27.495	26	27.585
19	27.505	27	27.595

CENTER NORMAL

SWITCH DOWN

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

\*\*\*\*\*OOPS! WE GOOFED!\*\*\*\*\*

CORRECTIONS FOR VOLUME 5

Page 28-#2 should be Q405 (not 0405)

Page 20-should be pin #10 and #11 (not 9 and 10)

Page 19-#4 should be S5 (not 55)

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