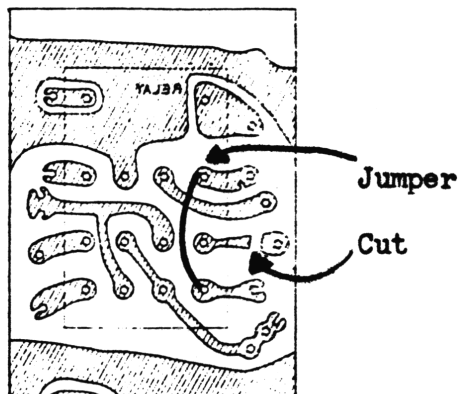


SBE Console V and Sidebander V (SBE-39CB) - UPDATE  
by D.G.

For those who happen to have one of above laying around,  
DUST IT OFF! This new write-up makes it simple to modify....  
NO extra resistors, diodes, and transistors - very simple to follow  
directions.

SLIDE: (Use drawing below for reference..)

1. Cut trace between TX contact on relay and center leg of VR801.
2. Install jumper between the TX and RX relay contacts.



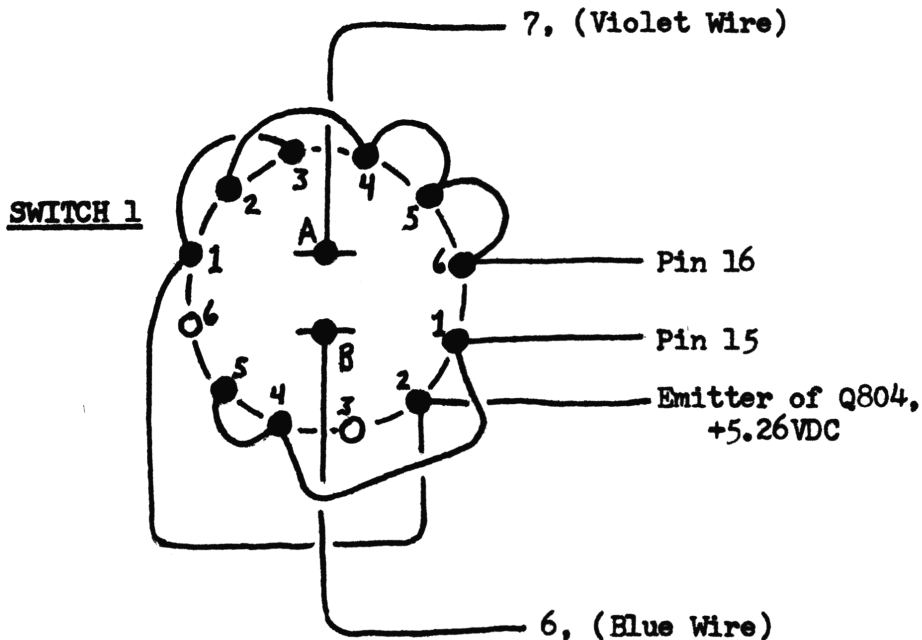
3. "Slide" will now be approximately +1.5, -2.5KHz.
4. By replacing D903 with a 'Super Diode', the slide will expand to ± 4.5KHz.

FO EXPANSION:

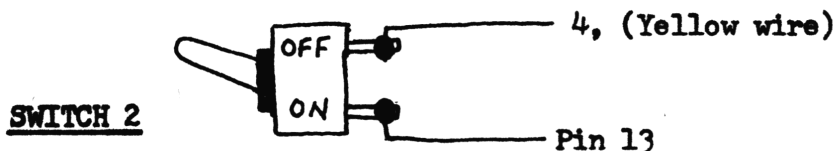
1. Remove PLL box cover, and carefully lift out top circuit board.
2. Observe the M58476 chip and wiring points labeled 1-7 on PCB.
3. Cut etch traces of following chip pins to wiring points:
  - A. Pin 16 to 7 (Violet wire).
  - B. Pin 15 to 6 (Blue wire)
  - C. Pin 13 to 4 (Yellow wire)
4. Obtain a dual, 6-position rotary switch; and a SPST miniature switch.

SBE Console/Sidebander V- UPDATE, Cont.

5. Wire-up the dual 6-position switch as below, and install in a convenient location.



6. Wire-up a SPST switch as below and install per locations marked:



7. Frequencies are per chart below.....

Switch 1 pos.	Switch 2	Ch. Selector	Fo's.
1	Closed	17-40	26.520-26.765MHz
2	Closed	1-16	26.645-26.835
3	Closed	17-27	26.845-26.955
4	Closed	1-40	26.965-27.405
5	Open	33-40	27.415-27.475
6	Closed	17-40	27.485-27.725

8. If needed I902, and I801 may be adjusted in PLL circuitry.

Initial test unit didn't need any adjustment! See SAMS #264

SBE-39CB (Sidebander V), if you run into alignment problems.