

Note that I did not design or originate this modification. This document is simply a description of what was on my IC-765 when I bought it. It seems to me that there are better ways of implementing this modification.

Since the IF's for SSB and CW are different, this mod may not be useful for using a CW filter in the 250 Hz position.

It is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.

1 Filter Changes

This unit has different SSB filters than a stock IC-765. An FL-70 (2.8 kHz) is used in place of the FL-30 (2.3 kHz) as the standard SSB filter. In addition, an FL-80 (2.4 kHz) is selectable via the "250 Hz" button on the front panel. The FL-80 is installed in the space allocated to the optional FL-101 250 Hz CW filter.

Filter	-6 dB	-60 dB
FL-30	2.3 kHz	4.14 kHz
FL-70	2.8 kHz	
FL-80	2.4 kHz	3.84 kHz

This modification is illustrated in figures 2 through 3.

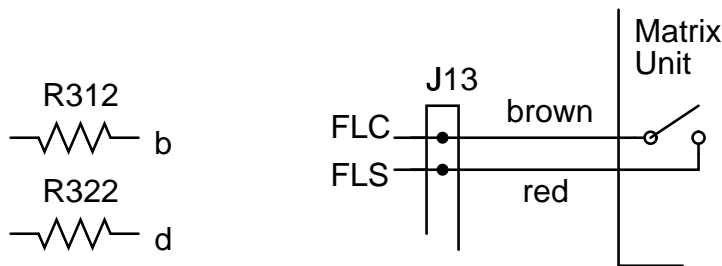


Figure 1: The Circuit Prior to Modification

The following steps perform the modification:

1. Cut the red (FLS) and brown (FLC) wires from J13.
2. Ground the brown wire (FLC).
3. Connect the red wire (FLS) to one end of the relay coil. Connect the other end of the relay coil to W163.
4. Cut W154.

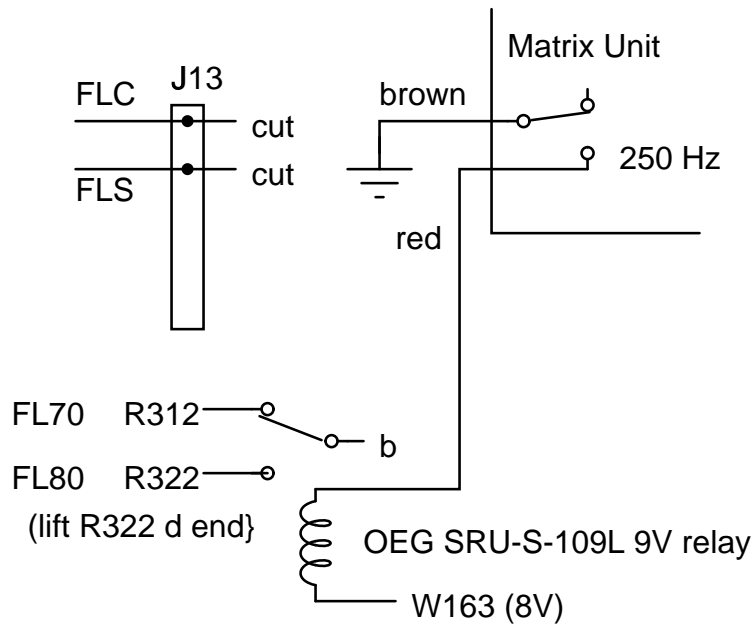


Figure 2: Circuit After Modification

5. Connect the end (“d”) of W154 nearest to the PCB edge, to the relay “common”.
6. Connect the other end (R312) of W154 to the relay NC connection.
7. Lift the end of R322, farthest from the filter, and connect it to the relay NO.

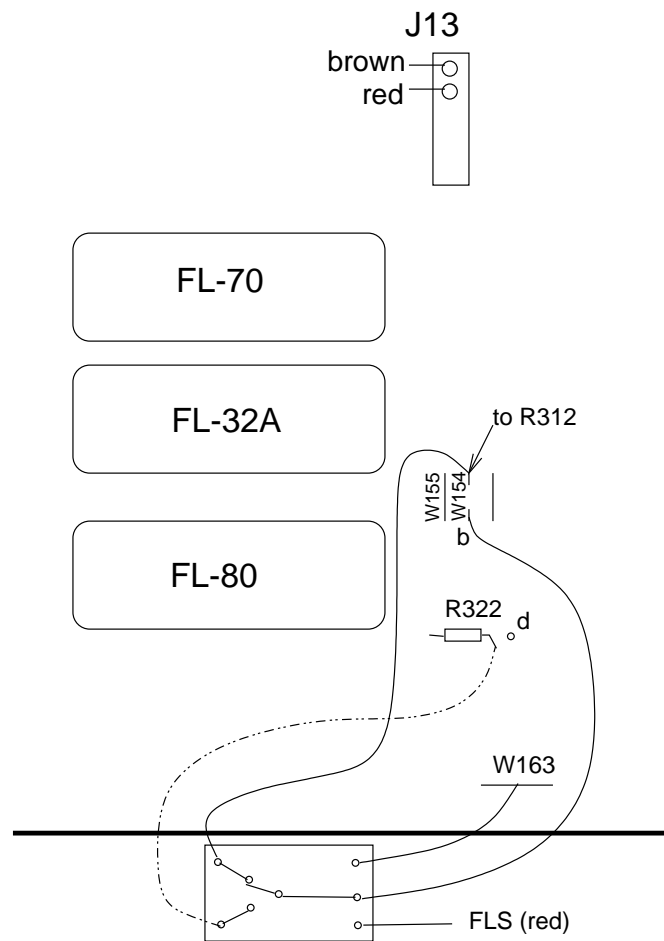


Figure 3: Pictorial of the Filter Modification