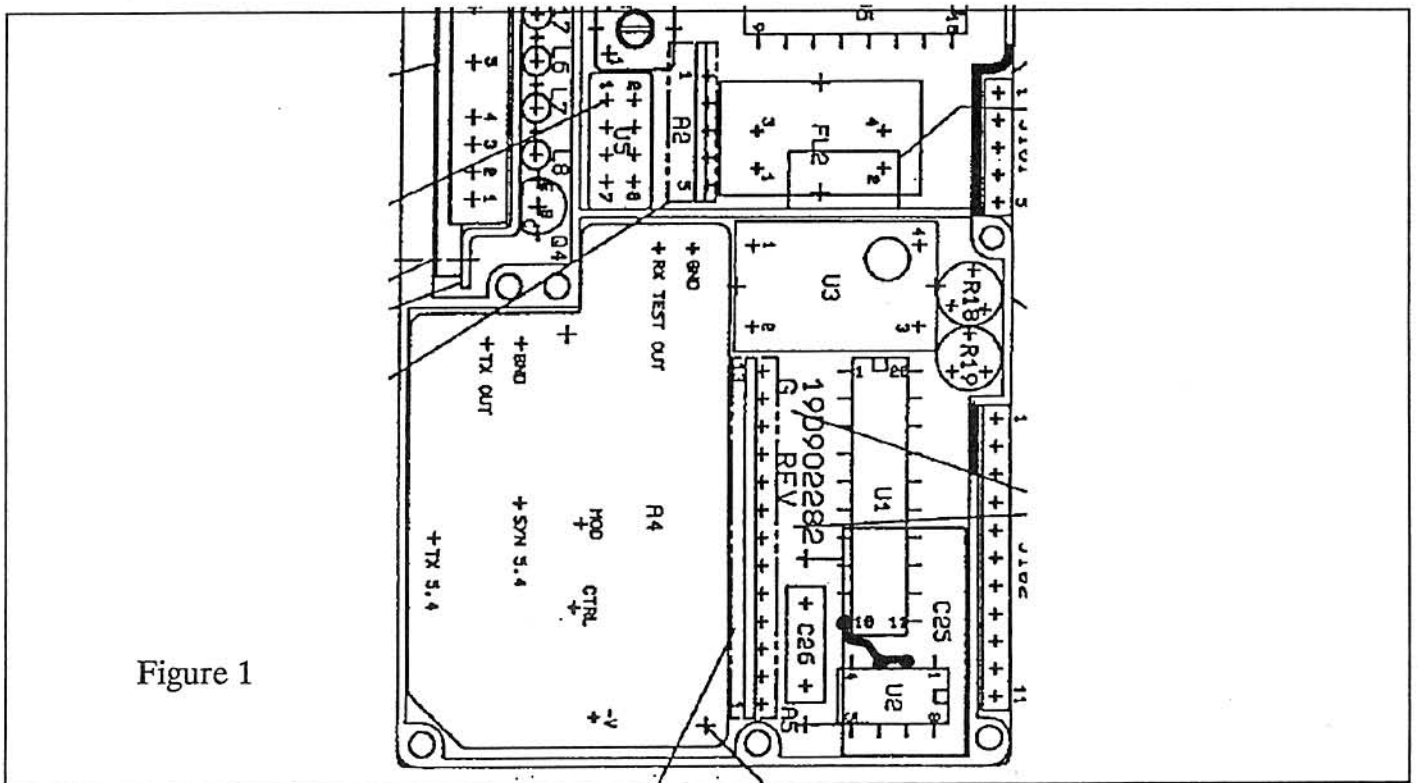


MODIFICATION PROCEDURE FOR VHF MPA WITH SELF-QUIETER SPUR AT 160.740MHz

NOTE: This modification has been tested in the radio received back from the customer plus another radio in the lab archives with reasonably good results. However, a sample of two may not be sufficient to conclude the results in a larger quantity but we will hope for the best.

1. Disassemble the radio and remove the RF chassis.
2. Check the area of the PC board which contacts the back casting to be certain that no solder blobs or latex solder mask are in these areas. This step has most likely been done by the factory, but remove them if present.
3. Unsolder and remove the big, black rectangular capacitor, C25, which is suspended over the synthesizer IC, U1 (see figure 1).



4. Locate the synthesizer IC, U1, and the prescaler IC, U2. Using a pair of flush cutters or some other type of narrow nose wire cutters, cut off pins 2 & 3 of U2 and pin 10 of U1 leaving just enough of a pin stub to be soldered to.
5. Unsolder and discard the cut off pins.
6. Connect a short piece of wire between the pin stubs as shown in figure 1.
7. Replace C25 and reassemble the radio.