

706MKIIG Pactor II operation modification

706MKIIG SSB transmit rise time of 100 milliseconds is too slow for Pactor II operation. When you install this modification the SSB transmit rise time will be 20 milliseconds. Pactor II requires less than 30 milliseconds for proper operation.

You will need the following parts:

Q1 P/N 90611295 transistor DTC-114TA

C1 P/N 91807556 22uf 6.3 VDC electrolytic capacitor

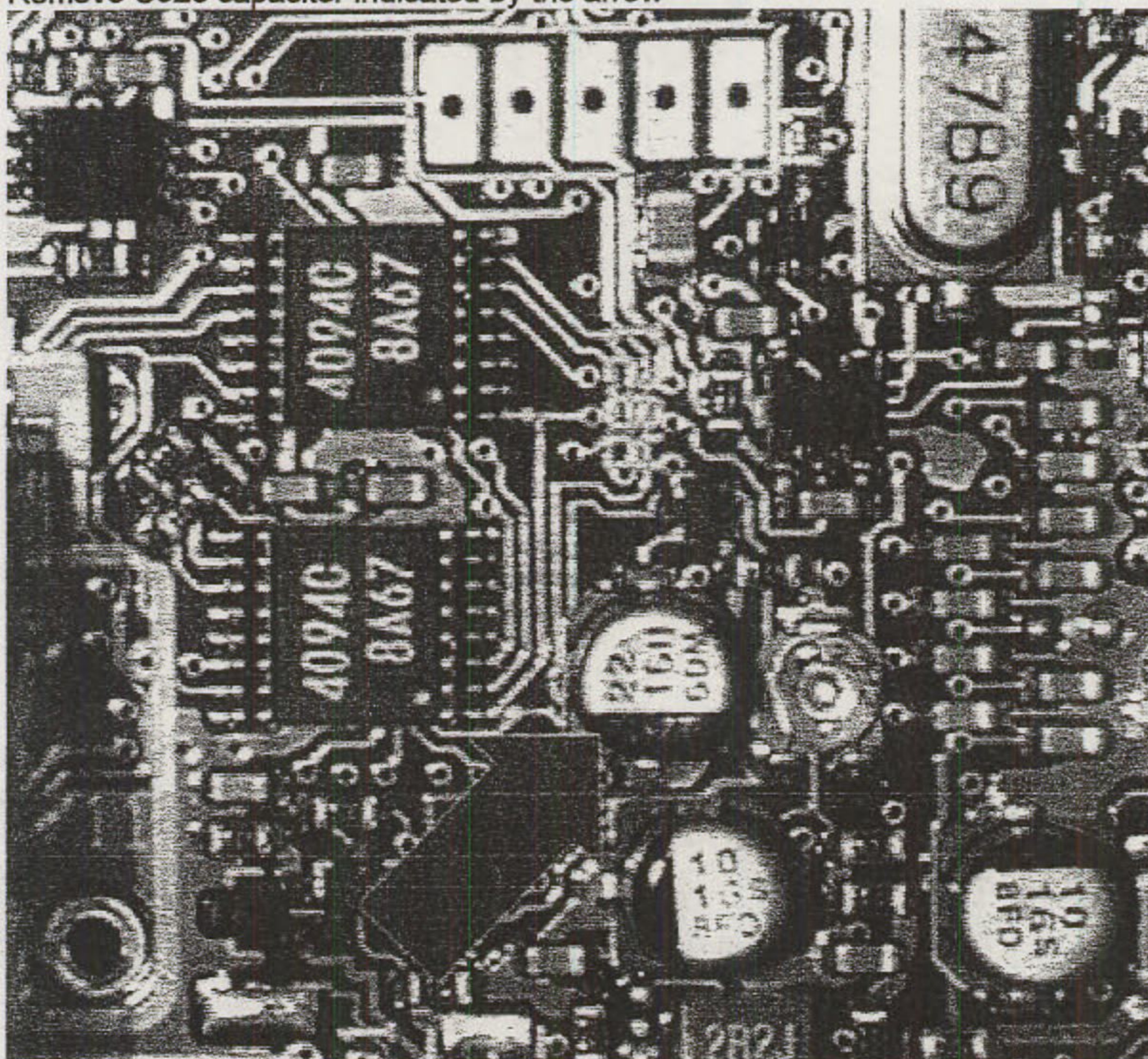
A short length of # 30 insulated hook up wire

706 MKII G Service Manual P/N 97712860

PROCEDURE

Remove the top cover of the 706MKIIG.

Remove C923 capacitor indicated by the arrow



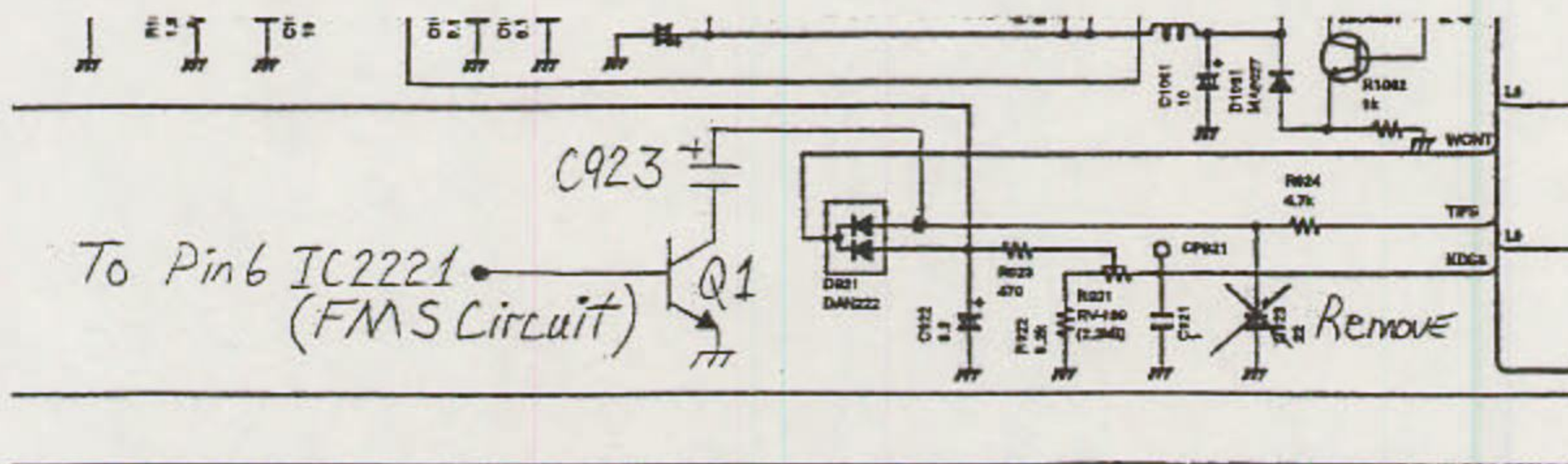
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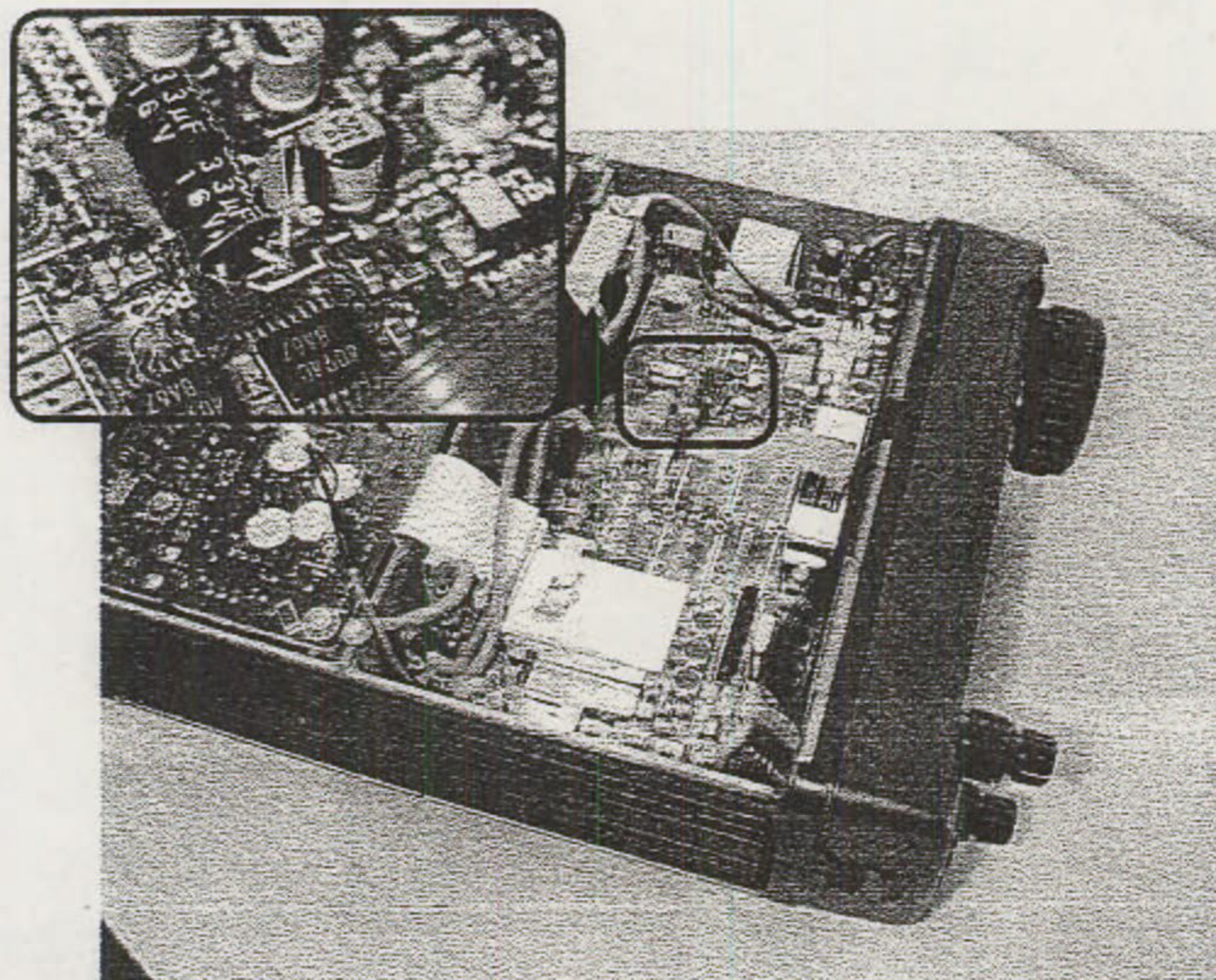
Now install the circuit as shown on the schematic below. In SSB mode the capacitor is switched out of circuit to adjust the transmit rise time.

Connections are shown on the main board drawing below:

Pin 6 of IC-2221 drives the base of Q1. The collector of Q1 attaches to the negative lead of C1. Positive lead of C1 attaches to original positive pad on circuit board (anode of D921). The emitter of Q1 attaches to ground. After modification the risetime in SSB will be 20 milliseconds



Here is a photo of the finished modification:



We recommend this modification be done by Icom. If damage occurs to the product while performing this modification, factory warranty will be voided.

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