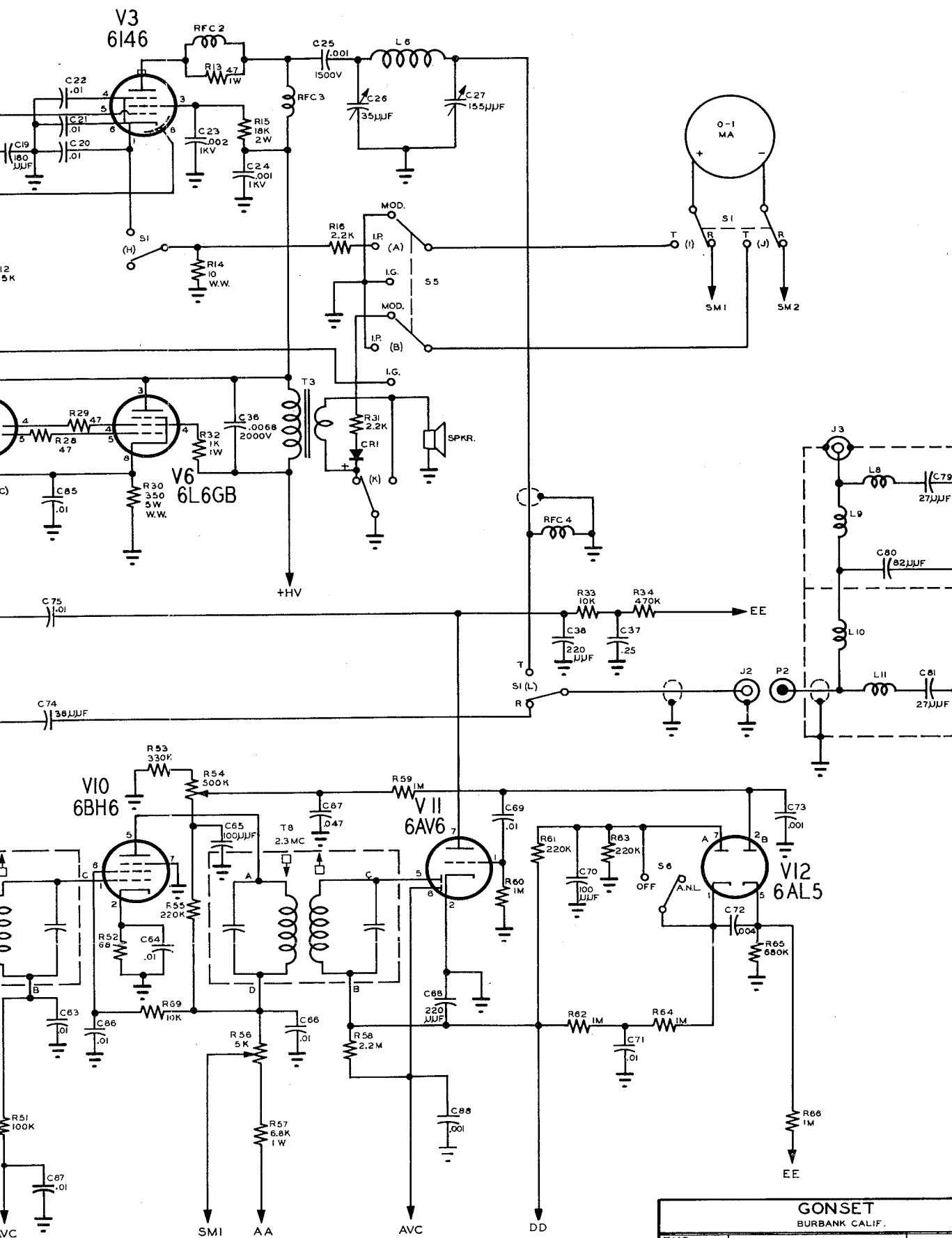


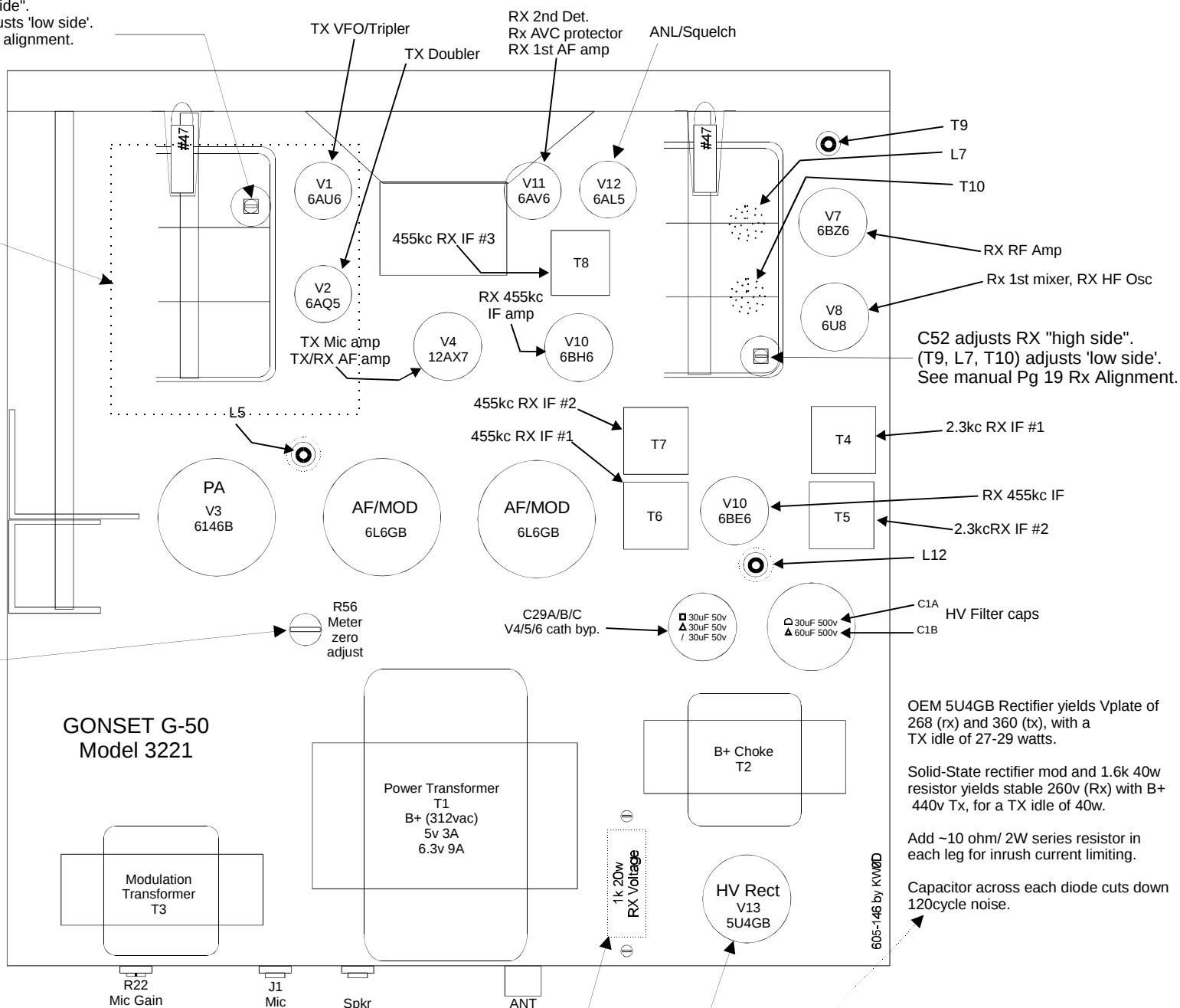


GONSET BURBANK CALIF.		
ENG: R.J.J.C.	SCHEMATIC 6 METER COMMUNICATOR MODEL 3221	PROJ. 79 510-026
DWN: T.L. 7-18-58		
CKD: <i>HY</i>		
APP: <i>Avb</i> <i>WJC</i> 1958		

C3 adjusts TX "high side".
Coil slugs in VFO adjusts 'low side'.
See manual pg 20 for alignment.

L1
L2
L3
L4

Check S-meter circuit. If S-meter can be zeroed using POT, all is well.
If not, check voltage divider R40/R41. POT and R57 (4.7k 1w).
Check to see what the S meter reads with a 50 microvolt signal.
(after you set it to "zero" with no antenna connected.) (50 uv is the standard for "S-9")
If the meter doesn't make it to 9 with 50 uv, reduce the value of current limiting resistor R44 (33k) in the receive meter circuit. If higher than 9, increase it.



GONSET G-50
Model 3221

Power Transformer
T1
B+ (312vac)
5v 3A
6.3v 9A

Modulation
Transformer
T3

R22
Mic Gain

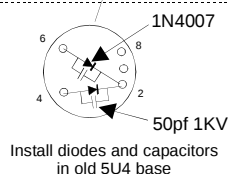
J1
Mic

Spkr

ANT

When using Astatic D104 with Crystal Element,
change (R17) 270K up to 3.9Mohm or 4.7Mohm.

Change this to
~1.6k 40w



Install diodes and capacitors
in old 5U4 base

Chassis Layout & Adjustments GONSET G-50

If the squelch tends to not 'open up' after a lengthy period of use,
Check resistance of voltage divider of R65/R66. R65 (680K) tends
to drift high, biasing the cathode so high that the diode never conducts
Two 'black beauties' in squelch/AF circuit, they're usually okay. Change if:
--high ambient 'hiss' is with squelch open and antenna disconnected.
--if popping and crud in RX audio.

OEM 5U4GB Rectifier yields Vplate of
268 (rx) and 360 (tx), with a
TX idle of 27-29 watts.

Solid-State rectifier mod and 1.6k 40w
resistor yields stable 260v (Rx) with B+
440v Tx, for a TX idle of 40w.

Add ~10 ohm/ 2W series resistor in
each leg for inrush current limiting.

Capacitor across each diode cuts down
120cycle noise.

605-146 by KVMD